

GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Dalmat
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows, Version 3.0
SEQ ID NO: 7
LENGTH: 195
TYPE: PRT
ORGANISM: homo sapiens
US-09-189-527-7

Query Match 40.6%; Score 593; DB 3; Length 195;
Best Local Similarity 98.3%; Pred. No. 3.5e-54;
Matches 113; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 VQKGGVWVIFKTPNQDTEFLERLNLFLKEGQTVSGMFRALGQGVSPATVPICISPEL 60
DB 81 VQKGGVWVIFKTPNQDTEFLERLNLFLKEGQTVSGMFRALGQGVSPATVPICISPEL 140

QY 61 LHLHGGQAAHAPOLLPMRKRKLRVFGSAVPAPEESFEVWLBQATEIVKEMP 115
DB 141 LHLHGGQAAHAPOLLPMRKRKLRVFGSAVPAPEESFEVWLBQATEIVKEMP 195

RESULT 3
US-09-189-527-4
Sequence 4, Application US/09189527A
Patent No. 6387639
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Dalmat
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
TITLE OF INVENTION: Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows, Version 3.0
SEQ ID NO: 4
LENGTH: 329
TYPE: PRT
ORGANISM: homo sapiens
US-09-189-527-4

Query Match 38.6%; Score 564; DB 3; Length 329;
Best Local Similarity 47.0%; Pred. No. 8.7e-51;
Matches 117; Conservative 47; Mismatches 73; Indels 12; Gaps 4;

QY 3 GKGWVKVIFKTPNQDTEFLERLNLFLKEGQTVSGMFRALGQGVSPATVPICISPEL 62
DB 83 GKGWVKVIFKTPNQDTEFLERLNLFLKEGQTVSGMFRALGQGVSPATVPICISPEL 138
QY 63 HLLGQAAHAPOLLPMRKRKLRVFGSAVPAPEESFEVWLBQATEIVKEMPTEAK 121
DB 139 EMLNLTIDNVIOPLVBSIMTKRLTLFSGKHPAMRGNDPWLHTNEVLEWQVSDVER 198
QY 122 KRWLAESLGPALDLNHIQVADNPISVECELEAFQVQVGSLESRTAQVRLKTYQEBG 181
DB 199 RRLMSLSLGPADVDVIRILSNPAITTAELCALQGVGSVSSDADIKPLNTYQNG 258
QY 182 EKVSAYVRLLETLRLKRAVEERAI PRRIADQVRLQVMAQ---TLNQMLGRLRELKQ 237
DB 259 EKLSAYVRLLETLRLKRAVEERAI PRRIADQVRLQVMAQ---TLNQMLGRLRELKQ 315
QY 238 GPPPSFLEL 246

DB 316 GPPPSFLEL 324

RESULT 4
US-09-949-016-10835
Sequence 10835, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10835
LENGTH: 577
TYPE: PRT
ORGANISM: Human
US-09-949-016-10835

Query Match 7.1%; Score 104.5; DB 4; Length 577;
Best Local Similarity 22.1%; Pred. No. 0.044;
Matches 43; Conservative 39; Mismatches 78; Indels 35; Gaps 5;

QY 96 EESFEVWLBQATEIVKEMPTEAKKRWLAESLGPALDLNHIQVADNPISVECELEA 155
DB 290 EPEWTRVYVESVERIFRFPFGDAGBVTSLKMKKLARSYGHIFENDDNSQEBEIRK 349
QY 156 FKQVFGSLGSRRTAQVRLKTYQEBGV-----AVYRLLETLRLKRAVEERAI 204
DB 350 YSIIGRPSDKR-----REGKLSHETITNEAQAQFCMRDNTLLRVELEFSL 398
QY 205 PRRIADQVRLQVMAQATLN--QMLMCRRELKD-----QPPPSFLELMKVIRE 252
DB 399 SRQVARESTYLSLKGSLHPEELGCPPLKYLKQEVGQSHPEIQDPPGPESTVPPYR 458
QY 253 E-EEBESAFENESIE 266
DB 459 SLEEDSASLGSGLD 473

RESULT 5
US-09-585-173B-12
Sequence 12, Application US/09585173B
Patent No. 6570663
GENERAL INFORMATION:
APPLICANT: Butler, Karlene
APPLICANT: Farnodu, Omolayo O.
APPLICANT: Gutierrez, Steven
APPLICANT: Maxwell, Carl
TITLE OF INVENTION: Magnesium Chelataase
FILE REFERENCE: BB1370 US NA
CURRENT APPLICATION NUMBER: US/09/585,173B
CURRENT FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/137,461
PRIOR FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Microsoft Office 97
SEQ ID NO 12
LENGTH: 750
TYPE: PRT
ORGANISM: Glycine max
US-09-585-173B-12

Query Match 6.8%; Score 100; DB 4; Length 750;

Best Local Similarity 23.0%; Pred. No. 0.19;
Matches 64; Conservative 40; Mismatches 94; Indels 80; Gaps 13.

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Qy 66 GOMAHAPQBLPMRYKJAVFSGSVAAPPEES--FEVMLEO-----ATELYKE 113
Db 272 DRAIMLSAD--LPMSEFNVAVAGIATEFOENSSOVFEKVEBEDNATQIILAREYKO 339
Qy 114 WPTAEKKRMIAESIRGPALDLMHIVQADNPISVEBCEAFKOVFGLSERRTAQVRY 173
Db 331 VTLNRQKLKLVLEALRGCGQG--H--RAELPAARVAKCLAA-----LEGRE-- 373
Qy 174 LKTYGEEGKVSAYVLRLETLRLKAVKZKAIKRRIRIADQVRLBQVWAGATLNMMLCRLE 233
Db 374 -KYYVDD-----LKKAVELVLRSIITSPPO-----401
Qy 234 LKDQGPPSPFLMLKVIREEEESAFESNIEEPEER 271
Db 402 -QWQPPPPPPONQSGEBCGNEEBEEOQEDKOEHEQO 438

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RESULT 6

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US-08-922-635-22
Sequence 22, Application US/08922635A
Patent No. 6031871
GENERAL INFORMATION:
APPLICANT: FILETZ, John E.
APPLICANT: IVANOV, Tina R.
TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
TITLE OF INVENTION: AND POLYPEPTIDES ENCODED THEREBY
FILE REFERENCE: Corrected Sequence Listing
Patent No. 6031871
CURRENT APPLICATION NUMBER: US/08/922,635A
CURRENT FILING DATE: 1997-09-03
EARLIER APPLICATION NUMBER: 08/650,766
EARLIER FILING DATE: 1996-05-20
EARLIER APPLICATION NUMBER: 60/012,600
EARLIER FILING DATE: 1996-03-01
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 1070
TYPE: PRT
ORGANISM: Homo sapiens
US-08-922-635-22

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Query Match	6.7%	Score 98;	DB 3;	Length 1070;
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Best Local Similarity 22.6%; Pred. No. 0.54;
Matches 65; Conservative 33; Mismatches 103; Indels 86; Gaps 14

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QY      30 EKEGQIVSGNFRLL-----GEGVS PATVPCISPELLAHLLGOMAHAP 73
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      10 EKEIDTVE -VLKAIQAKKEKSLNPEKKGEDSRLSAACPIRSSSPPTVAPASLSP 68
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      74 QPLPRKRYKLRVFGSSAVBPAREEESFEVWLQCAITEIYVE -WPVTEAEKKWMLAESARG- 131
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      69 QPLT-----SNQGVHVFQGEALWASSLSTSTSLRPHNQIQ-----CSDSLESI 113
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      132 PA-----LDLMTIVQADNPSTISVSECLAEAFKQYF--GSLSERRIAQVRYLKTQOE 188
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      114 PAGQASDDLRDVPAGVAGGASP-----EHAAREVQVPPSGGIIPLPTCIGYATLND- 167
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      181 GEKVSAYLLETLLTLEKRYVEKRAIPRIADQVRLQGVAGATLNMILCRYLREKIDQSP 240
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      168 -----PIQLSTLIQVTE -ROLP-----AWITEANQREEGOG 199
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      241 PSFLTEMKVIRREEEERASFEENSEIS-----EPREPDGYRNMHGGD 283
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      200 EGGE-----EDEEEEBEDVAKENRYFEMGPRPDVEEBGGGGGGEEBEE 243
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 7
US-09-364-206-2
Communication INS/09364206

Query Match	6.7%	Score 98:	DB 4:	Length 1504;
Best Local Similarity	22.6%	Pred. No. 0.97;		
Matches 65;	Conservative 33;	Mismatches 103;	Indels 86;	Gaps 14

QY 30 EKEGQTVSGMPRAL-----GQGVSPATVPCISPELLAHLLQGMANAP 73
Db 444 EKELDPTVE-VLRAIKAKEVKSRLSNPEKKGBGDSRLAAFCIRPSSSPPTVPAPASLSE 502
QY 74 QPFLPRKYRKLRFVSGSAVPAPPEETSFEVMEQOATLYKE-MPTVEAKKRMALAESLRG- 131
Db 503 QPIL-----SNGQIMFVQEBALANLSLSSTDSLTPHQPIAQ-----CSDSLSEI 547
QY 132 PA-----LILMHIVQADNPSTISVECELAFAQVF---GSLESRTAQVRYLYKTOE 180
Db 548 PAQQAASDLRLVPAGAVGASP----SHAPFVQVVPGSGQIILFLPTGIGTATMD- 601
QY 181 GEKYSVAVLTLETLRKAVKERRAPRIADVRLEQVMAGATLNQMLMCRRLRELQGP 240
Db 602 -----FIQLSLTLROALE-RQLP-----AMIAANQREGQG 633
QY 241 PSFLLELMKYIRREEEESAFNESTE-----PPEERDQVGRMHNGDD 283
Db 634 EGCEE---EDEEEEBEDVAENRIRFEMPPRVVEEBEGGQGEEEEEE 677

RESULT 8

US-08-650-766-6
; Sequence 6, Application US/08650766D

Query Match 6.5%; Score 95; DB 4; Length 754;
 Best Local Similarity 22.0%; Pred. No. 0.66; Indels 74; Gaps 11;
 Matches 60; Conservative 42; Mismatches 97

20 EFLERINLFLKEGQTVSCWFRALGOEGVS-----PATVPCISPE--LHAHLGQANA 70
 223 EGSNLLNLAVLIEGVNI-----VEREGISPRHPCPLLIATVNPDEGSVREHLDRIAI 276
 71 HAPQILLPMRYKRLRVFSGSVAVDPAEE-----ESFEWLEQATELYKEPVTE 118
 277 NLSAD-LPMSEFENRVEAVGATEFCQNCQGVFRKVDDEDIDNACTQILAREVLEKDVITSK 335
 119 AEKRLASLRGPAIDLMHIVADNPISVSECELAFAKQVFGSLSESRRTAQRVLYKTYQ 178
 336 BQKTVLIELEKRGVGG--R--RAELYARVAKCLAA-----LGRS-----KTV 377
 179 EGEKVSAYVLRLETLRKAVERKRAIPRIADQVRLEQVAGATLNMCLRELKDOG 238
 378 DD-----LKAVELVILPRSIITDTPPEQ-----QNGPPPPP 409
 239 PPPSFLMLKVIREEEESASFENESIEEPER 271
 410 PPOQNESNEQNEEEOSEEEEDDNDENEQ 442

RESULT 12
 US-09-949-016-7561
 ; Sequence 7561, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949, 016
 ; PRIOR FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 7561
 ; LENGTH: 1307
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-949-016-7561

Query Match 6.4%; Score 94; DB 4; Length 1307;
 Best Local Similarity 18.3%; Pred. No. 1.9; Indels 108; Gaps 8;
 Matches 48; Conservative 37; Mismatches 70

92 VPAPSEESFEWLEQATEIYKMPVTEAEKKRWLASLRGPAIDLMHIVADNPISIVEE 151
 845 IKLKEIIGNVQLEKAQOL-----SITSKVQGLQWLKCK-----EE 881
 152 CLEAFKQVFGSLSESRRTAQRVLYKTYOEGEKVSAYV----- 188
 882 QMTMKAVLBEKEKDLNTGKMLQDLOEENESLAAHVQEAQHNLEKASASQFEELIV 941
 189 -----LRLETLRVAVERKRAIPRIADQVRLEQVAGATLNMCLRELKDOG-- 238
 942 LKEKENEKRLKLEAMLEKESPLSKTQLQVQDE-----NKLRSQTEQLKQKNYQ 993
 239 -----PPPSFLMLKVIREEEESASFENE-----SIEEPERD----- 272
 994 QASPPPHR--ELKLVISEREKEISGLWNELESLKDAVEHQKKNRROQOQVEAVELEAK 1051
 273 -----GVGRWYH 279

DB 1052 EVLKKLFPKVSVPNSLTYGEWLH 1074

RESULT 13
 US-09-264-512B-2
 ; Sequence 2, Application US/09264512B
 ; Patent No. 6610508
 ; GENERAL INFORMATION:
 ; APPLICANT: Hentze, Matthias W.
 ; APPLICANT: De Gregorio, Emilio
 ; TITLE OF INVENTION: TRANSLATION DRIVER SYSTEM AND METHODS FOR USE THEREOF
 ; FILE REFERENCE: 9882-004
 ; CURRENT APPLICATION NUMBER: US/09/264, 512B
 ; CURRENT FILING DATE: 1999-03-08
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 1560
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-264-512B-2

Query Match 6.4%; Score 94; DB 4; Length 1560;
 Best Local Similarity 22.0%; Pred. No. 2.5; Indels 130; Gaps 16;
 Matches 82; Conservative 40; Mismatches 121

14 TPNDTEFLERINLFLKEG-----QTVSGMFRALGOEGVSPATVPCISPELLAHL 65
 410 SPAQEEEMEED--EEEGEAGEAGEASEKG-----GEBLLPESTPI--PAILSQWL 459
 66 GQMAHAPQPLPMRYKRLRVFS----- 88
 460 EAAATQVAVSVPKRRKIKELNKEAVGDLDAFEKANPAVEVENOPPAGSNQPSSE 519
 89 GSAVPAPSEESFEWLEQATEI-----VKEN-PYTEAEKKRWLASLNG 131
 520 GSGVPPREABETWDSKDKIHMANENIQGQKTYKSDQKPPYLEKKGYDRREFLG 579
 132 -----PALDLMHIVQA-----DNESIVSECELEAFKQVFGSL----- 163
 580 FQTFASMQKPEGLPIHSVVLIDKANKTPRLPDLPRLOGINGCPDFTSPFANLGRITLS 639
 164 -----ESRRTAQV-----RLKTYOEGEKVSAYVLRLETLRKAVERKRAIP-- 205
 640 TRGPPRGCGGELPRPOAGLGPRRSQQGPKEPRKIIYVMTEDIKLNAEKANKPSS 699
 206 -RIADQVRLEQVAGATLNMCLRELKRLKDOQPPPSFLMLKVIR--EER-- 256
 700 KRTAADKRGGEFADDSK--TQDLFRVRISLNNLTQWFOQLMKQVTOALDTEERLKV 758
 257 -EASFENESIEEP 268
 759 IDLIFF-KAISEP 770

RESULT 14
 US-08-556-419-25
 ; Sequence 25, Application US/08556419C
 ; Patent No. 6093549
 ; GENERAL INFORMATION:
 ; APPLICANT: Ross, Christopher
 ; APPLICANT: Li, Xiao-Jiang
 ; APPLICANT: Li, Shi-Hua
 ; APPLICANT: Sharp, Alan
 ; APPLICANT: Lananhan, Anthony
 ; APPLICANT: Morley, Paul
 ; APPLICANT: Snyder, Solomon
 ; TITLE OF INVENTION: Huntingtin-associated protein
 ; FILE REFERENCE: 01107.52271
 ; CURRENT APPLICATION NUMBER: US/08/556, 419C
 ; CURRENT FILING DATE: 1995-11-09
 ; NUMBER OF SEQ ID NOS: 25
 ; SOFTWARE: FastSeq for Windows Version 3.0

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 8, 2005, 11:48:54 ; Search time 25.272 Seconds
(without alignments)
971.808 Million cell updates/sec

Title: US-10-037-860-4
Perfect score: 1729
Sequence: 1 MAMTLEEDKRCMDVNSQRT.....LTGAGEGPGPKPLSVAGADP 329

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgnt2_6/prodata/1/1aa/5A_COMB.pep:*
2: /cgnt2_6/prodata/1/1aa/5B_COMB.pep:*
3: /cgnt2_6/prodata/1/1aa/5A_COMB.pep:*
4: /cgnt2_6/prodata/1/1aa/5B_COMB.pep:*
5: /cgnt2_6/prodata/1/1aa/5A_COMB.pep:*
6: /cgnt2_6/prodata/1/1aa/5B_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1729	100.0	329	3	US-09-189-527-4
2	747.5	43.2	462	3	US-09-189-527-13
3	441	25.5	195	3	US-09-189-527-7
4	110.5	6.4	551	4	US-09-902-540-16701
5	103	6.0	935	4	US-09-914-259-25
6	100.5	5.8	2293	3	US-09-368-590-2
7	99.5	5.8	2600	4	US-09-949-016-7309
8	97.5	5.6	288	4	US-09-489-039A-12764
9	96	5.6	272	4	US-09-902-540-16406
10	93.5	5.4	573	4	US-09-328-352-6016
11	92.5	5.3	2214	4	US-09-902-540-15988
12	92.5	5.3	2431	4	US-07-920-281C-2
13	92.5	5.3	2431	3	US-08-466-277-2
14	92.5	5.3	2431	4	US-09-688-842-2
15	91.5	5.3	378	2	US-09-955-097-1
16	91.5	5.3	378	4	US-09-973-902-1
17	91.5	5.3	378	4	US-09-831-630-13
18	91.5	5.3	333	4	US-09-949-016-11567
19	91	5.3	565	4	US-09-543-681A-5919
20	90	5.2	688	4	US-09-352-991A-13748
21	89.5	5.2	688	4	US-09-489-039A-12446
22	89	5.1	178	4	US-09-489-039A-11551
23	88.5	5.1	389	4	US-09-252-991A-12086
24	88.5	5.1	499	4	US-09-902-540-14146
25	88.5	5.1	4872	4	US-09-424-783-3
26	87.5	5.1	588	4	US-09-438-185A-23
27	87	5.0	600	3	US-09-212-971-12

28	87	5.0	600	3	US-08-800-929A-12	Sequence 12, Appl
29	87	5.0	600	3	US-09-617-053A-12	Sequence 12, Appl
30	87	5.0	1300	4	US-09-543-681A-4501	Sequence 4501, Ap
31	86.5	5.0	373	4	US-09-328-352-7009	Sequence 7009, Ap
32	86	5.0	555	4	US-09-492-709A-308	Sequence 308, App
33	86	5.0	854	4	US-09-134-000C-4673	Sequence 4673, Ap
34	85	4.9	469	3	US-08-985-335-9	Sequence 9, Appl
35	85	4.9	1209	4	US-09-410-372-9	Sequence 9, Appl
36	85	4.9	1209	4	US-09-252-991A-25844	Sequence 25844, A
37	84.5	4.9	1105	3	US-08-999-774A-2	Sequence 2, Appl
38	84.5	4.9	4866	4	US-09-424-783-2	Sequence 2, Appl
39	84	4.9	406	4	US-09-328-352-6564	Sequence 6564, Ap
40	84	4.9	871	3	US-09-134-001C-3979	Sequence 3979, Ap
41	83.5	4.8	332	4	US-09-252-991A-24064	Sequence 24064, A
42	83.5	4.8	431	4	US-09-543-681A-6055	Sequence 6055, Ap
43	83	4.8	341	1	US-08-314-309A-19	Sequence 19, Appl
44	83	4.8	524	3	US-08-557-210A-3	Sequence 3, Appl
45	83	4.8	539	3	US-08-557-210A-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-09-189-527-4
; Sequence 4, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Josep O. Dalmau
; APPLICANT: Myrina R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 329
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-4

Query Match 100.0%; Score 1729; DB 3; Length 329;
Best Local Similarity 100.0%; Pred. No. 3.1e-182;
Matches 329; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAMTLEEDKRCMDVNSQRTLLVWGI PVNCDABEIEETLQAAPOVSYRMIGRMFWREN 60
DB 1 MAMTLEEDKRCMDVNSQRTLLVWGI PVNCDABEIEETLQAAPOVSYRMIGRMFWREN 60
QY 61 ARAALLETGADVVAIPREMPKGGVWKVLEKPTSDAEFLERHLFLAREGTVQDVA 120
DB 61 ARAALLETGADVVAIPREMPKGGVWKVLEKPTSDAEFLERHLFLAREGTVQDVA 120
QY 121 RVLGQNPPTPTGPEMPAEMLYIIDNVYIQLPVESIMYKRLTLFSGKHPRAMRGNFDPW 180
DB 121 RVLGQNPPTPTGPEMPAEMLYIIDNVYIQLPVESIMYKRLTLFSGKHPRAMRGNFDPW 180
QY 181 LEHTNEVLEBQVSVVEKRRRLMESLRPADVIRILKSNPPATTTACCLALEQVFSV 240
DB 181 LEHTNEVLEBQVSVVEKRRRLMESLRPADVIRILKSNPPATTTACCLALEQVFSV 240
QY 241 ESSRDAQIKFLTYNPPEKLSAVYIRLEPILQKVEKGAIDKQVNVQARLEQVITAGANH 300
DB 241 ESSRDAQIKFLTYNPPEKLSAVYIRLEPILQKVEKGAIDKQVNVQARLEQVITAGANH 300
QY 301 SGAIRRQMLTGTAGEGPGPKPLSVAGADP 329
DB 301 SGAIRRQMLTGTAGEGPGPKPLSVAGADP 329

Patent No. 6495316
 GENERAL INFORMATION:
 APPLICANT: Makowski, Lee
 APPLICANT: Hyman, Paul
 APPLICANT: Williams, Mark
 TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
 FILE REFERENCE: 8471-010-999
 CURRENT APPLICATION NUMBER: US/09/914,259
 CURRENT FILING DATE: 2000-11-21
 NUMBER OF SEQ ID NOS: 180
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 25
 LENGTH: 935
 TYPE: PR
 ORGANISM: Syncephalastrum racemosum
 US-09-914-259-25

Query Match 6.0%; Score 103; DB 4; Length 935;

Best Local Similarity 21.7%; Pred. No. 0.091;
 Matches 69; Conservative 56; Mismatches 121; Indels 72; Gaps 15;

Qy 16 NSQRTLVGIPVNCDEAEIETLOAMPQVSYRMLGRMFREBNKALLL----- 68
 Db 297 NSRTLLINCSFSSYVEAETLSTLRFGARAKSIKNKAKV-----NADLSPALKALLKV 351
 Qy 69 -TGADVAAIPREMGGKGVKVLFRPPTSDAEFLERHLFLAREG-WTVQDVARVLGFQ 126
 Db 352 KSEAVTYQTYIALAEVENVNRTGTVP-----EGKVTMKNVSKGDPA 395
 Qy 127 NPTPTGPEMPAEMLYILDVNIQPLVESIWKRLTLFSGKGPRAWRGNFDPWLEHTNE 186
 Db 396 GLPAPAGFSP-----VDEGSRPATPV-----FLTEKDEREEFIKRENE 435
 Qy 187 VAEEMQVSEV-----KRRLMESLR-----GPADVIRILKSNPAITT--AECKKLEQVF 237
 Db 436 LMD--QISEKETELTRFKLESLEEMGYKKEQOSVTKENQOMTSELRLQLOKV- 492
 Qy 238 GSVESRDQIFLNTYQNPGEKLSAYVIRLEPLQKV--VEKGAIDKDNVQ--ARLEQ 293
 Db 493 -SYSEKEMAIT--VDSLEKANODLMALEBELKKNLSEMQAKHDATSDKEKRAKEMQ 549
 Qy 294 VIAGANHSGAI---RRQL 308
 Db 550 WMSGFDPGSLDKERQI 557

RESULT 6
 US-09-368-590-2
 Sequence 2, Application US/09368590

Patent No. 6187563
 GENERAL INFORMATION:
 APPLICANT: Solimena, Michele
 TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR
 TITLES OF INVENTION: AUTOANTIGENS OF AUTOIMMUNE DISEASES
 FILE REFERENCE: 101918-200 (OCR-941)
 CURRENT APPLICATION NUMBER: US/09/368,590
 CURRENT FILING DATE: 1999-08-04
 EARLIER APPLICATION NUMBER: 60/095,657
 EARLIER FILING DATE: 1998-08-07
 NUMBER OF SEQ ID NOS: 8
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 2
 LENGTH: 2293
 TYPE: PR
 ORGANISM: Human
 US-09-368-590-2

Query Match 5.8%; Score 100.5; DB 3; Length 2293;

Best Local Similarity 22.6%; Pred. No. 0.76;
 Matches 78; Conservative 55; Mismatches 139; Indels 77; Gaps 18;

Qy 9 WCRGMDVNSGR-----TLVWGIPVNCDE--AEIETLOAMPQVSYRMLGRMFREBN 60
 Db 1179

Db 667 WNRIVELVEORKEKENSALLVENHVLVEAVRAQVREKRAV--ESAPRAGALQMRISG 724
 Qy 61 AKAAALLEP-----TGADVAAIPRE-MPGK-----GGWVKVLFKPTPSDAE----- 100
 Db 725 LEAALQALEPQOALLEBALEAERFPQAAKXKHOGAEELGAEKALASMAQAGEAVAA 784
 Qy 101 -----FLERHLFLAREGWTQDVARVLGFQNPPTPTGPEMPAEMLY-IIDVNIQPLV 153
 Db 785 AGRLORFHLDPAFL--DMLVRAQEAAGSGEGLPNSLEBADALLAHHAALEKEVDQRE 841
 Qy 154 ESIWKRL-----TLFSGKGPRAWRGNFDPWLEHT-----NEVLEEMQVSDVEKRRRLME 204
 Db 842 ED--YARIVAASEALLADGAEGLGALDEVLPHLELGMHKLGLMKA---RKALVQ 895
 Qy 205 S-----LRGPADVIRILKSNPAITTAECIKALEQVFGSVESSRDQIKFLNTYQNP 258
 Db 896 AHIVQLFLR-DLROALVVLNRQEMALSGAELPGTVESVEBALKHQRD---FLTMTLSQ 950
 Qy 259 EKLSAYVIRLEPLL-----QKVEKGAIDKDNVQARLEQ 293
 Db 951 QRMQVAVQAEGTLRQGNIGEQAEAVTR-LLEKQENQJLRAQ 994

RESULT 7
 US-09-949-016-7309
 Sequence 7309, Application US/09949016

Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CLO01307
 CURRENT APPLICATION NUMBER: US/09/949,016
 CURRENT FILING DATE: 2000-04-14
 PRIOR APPLICATION NUMBER: 60/241,755
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/237,768
 PRIOR FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 60/231,498
 PRIOR FILING DATE: 2000-09-08
 NUMBER OF SEQ ID NOS: 207012
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 7309
 LENGTH: 2600
 TYPE: PR
 ORGANISM: Human
 US-09-949-016-7309

Query Match 5.8%; Score 99.5; DB 4; Length 2600;
 Best Local Similarity 22.6%; Pred. No. 1.2;
 Matches 78; Conservative 50; Mismatches 140; Indels 77; Gaps 18;

Qy 9 WCRGMDVNSGR-----TLVWGIPVNCDE--AEIETLOAMPQVSYRMLGRMFREBN 60
 Db 1005 WNRIVELVEORKEKENSALLVENHVLVEAVRAQVREKRAV--ESAPRAGALQMRISG 1062
 Qy 61 AKAAALLEP-----TGADVAAIPRE-MPGK-----GGWVKVLFKPTPSDAE----- 100
 Db 1063 LEAALQALEPQOALLEBALEAERFPQAAKXKHOGAEELGAEKALASMAQAGEAVAA 1122
 Qy 101 -----FLERHLFLAREGWTQDVARVLGFQNPPTPTGPEMPAEMLY-IIDVNIQPLV 153
 Db 1123 AGRLORFHLDPAFL--DMLVRAQEAAGSGEGLPNSLEBADALLAHHAALEKEVDQRE 1179
 Qy 154 ESIWKRL-----TLFSGKGPRAWRGNFDPWLEHT-----NEVLEEMQVSDVEKRRRLME 204
 Db 1180 ED--YARIVAASEALLADGAEGLGALDEVLPHLELGMHKLGLMKA---RKALVQ 1233
 Qy 205 S-----LRGPADVIRILKSNPAITTAECIKALEQVFGSVESSRDQIKFLNTYQNP 258
 Db 1234 AHIVQLFLR-DLROALVVLNRQEMALSGAELPGTVESVEBALKHQRD---FLTMTLSQ 1288
 Qy 259 EKLSAYVIRLEPLL-----QKVEKGAIDKDNVQARLEQ 293

Db 1289 GKKQVAVVQAEGILRQGNIXGEQAQEAATVR-LLEKIQENQLAAQ 1332

RESULT 8

US-09-489-039A-12764

Sequence 12764, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:

APPLICANT: Gary Breton et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 12764

LENGTH: 288

TYPE: PR

ORGANISM: Klebsiella pneumoniae

US-09-489-039A-12764

Query Match

Best Local Similarity 24.5%; Pred. No. 0.053;

Matches 76; Conservative 51; Mismatches 110; Indels 73; Gaps 18;

Db

Qy

28 VNCDEAEIETIQAM--PQSYRMGRFM--RENNKALLLEITGADVAIIREMG 83

11 VAISEANLQOTLOQSNVFLY-----FMSARQHC-----QLTPVLERLA--AQYNG 58

84 KGVWVLFKPTSDAEFLERLHLFLAREGTVQDVAVLGFQNPPTPGPE--MPAEWL 141

59 QFTLAKV-----DCDAEEM-----LASQ-FGLRAIPYVLFQNGPVDGFGPQEEAI 106

142 NYLDNVIOPLVESIWKRLTLPSCGKHPARMGNFDPMLHTNEVLEWQSVDEKRRR 201

107 RALLKVPFEEELKQAQALALMOEBKYADAL-----PLTK-----EAMQLSNDSQIG 155

202 LMESLRGPAVDYIRILKSNPAITTAECIKALEO---VGSVSSRDQIKELNTYQNG 258

156 LV-----LAETLIALHRSDEASVUKTIPLODDOTHQGLV-----AQIEYL----- 197

259 EKLSAVIRLEPILQKVEKCAIDKDNVQARLEQVIAGANHSGA-----IRQLMLTG 312

198 -KQADTPEIQ-LQQVQENPEDAQLASQALQLHQVGRNEALALLFSHQXL---G 252

Qy

313 AGEGRPKPL 322

Db

253 AGDGAARKKL 262

US-09-902-540-16406

Sequence 16406, Application US/09902540

Patent No. 6833447

GENERAL INFORMATION:

APPLICANT: Goldman, Barry S.

APPLICANT: Hinkle, Gregory J.

APPLICANT: Slater, Steven C.

APPLICANT: Wiegand, Roger C.

TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof

FILE REFERENCE: 38-10(15849)B

CURRENT APPLICATION NUMBER: US/09/902,540

CURRENT FILING DATE: 2001-07-10

PRIOR APPLICATION NUMBER: 60/217,883

PRIOR FILING DATE: 2000-07-10

NUMBER OF SEQ ID NOS: 16825

SEQ ID NO 16406

LENGTH: 272

TYPE: PR

ORGANISM: Myxococcus xanthus

US-09-902-540-16406

Query Match

Best Local Similarity 27.5%; Pred. No. 0.07;

Matches 41; Conservative 21; Mismatches 63; Indels 24; Gaps 5;

Db

Qy

21 LTVGIPVNCDEAEIETIQAMPQSYRMGRFMRENNKAAAL-----LEITGAVD 73

67 LKVPRLDADAEARVAVRDAVGPVYKLRDANGMSFPAKRALDRIGWGLL---VE 123

Qy

74 YAIIREMPGKGVKVLFPKPTSDAEFLERLHLFLAREGTVQDVAVLGFQNPPTPG 133

124 OPTPEDE---AALRWVORAPCTVA-----ADESLASPDALRALITVDFLLGG 170

Qy

134 PEMPAEMLN-YILDNVIOPLVESIWKRL 161

Db

171 PAVGAVLKPVNLGGILPLCLVAMRAARL 199

US-09-328-352-6016

Sequence 6016, Application US/09328352

Patent No. 6562958

GENERAL INFORMATION:

APPLICANT: Gary L. Breton et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

FILE REFERENCE: GTC99-03PA

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 6016

LENGTH: 573

TYPE: PR

ORGANISM: Acinetobacter baumannii

US-09-328-352-6016

Query Match

Best Local Similarity 22.0%; Pred. No. 0.46;

Matches 52; Conservative 25; Mismatches 98; Indels 61; Gaps 5;

Db

Qy

90 VLFKPTSDAEFLERLHLFLAREGTVQDVAVLGFQNPPTPGPEMPAEMLNTYIDN 147

204 LLEPETHLDAESVWERFL-----KDPGTVATTHDRYFLDN 244

Qy

148 VIQPLVESIWKRLTLPSCGKHPARMGNFDPMLHTNEVLEWQSVDEKRRRLMESLR 207

245 VAEWLLE-----LDRGHGIPYQNTYSWLEQKARLEQKQGESEFAKALKLE 294

Db

208 GPADVIRILKSNPAITTAECIKALEQVFGSVSSSRDAQIKFLNTYQNGPKLSAYVIR 267

295 WYQVAKGQKKKAKRMEFEELNSRE-----FQQRNTESEIYIP 335

Qy

268 LEPLQKVEKCAIDKDNVQARLEQV-----IAGANHSGAIRRLMLTG 312

Db

336 GPRLGKRVVEVENISKSGDRLLYENLSFTVPAPAIIVGVPNGAKTTLFRMMTG 391

US-09-902-540-15988

Sequence 15988, Application US/09902540

Patent No. 6833447

GENERAL INFORMATION:

APPLICANT: Goldman, Barry S.

APPLICANT: Hinkle, Gregory J.

APPLICANT: Slater, Steven C.

APPLICANT: Wiegand, Roger C.

TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof

FILE REFERENCE: 38-10(15849)B

CURRENT APPLICATION NUMBER: US/09/902,540

CURRENT FILING DATE: 2001-07-10

PRIOR APPLICATION NUMBER: 60/217,883

PRIOR FILING DATE: 2000-07-10

NUMBER OF SEQ ID NOS: 16825
 SEQ ID NO 15988
 LENGTH: 2214
 TYPE: PRT
 ORGANISM: Myxococcus xanthus
 US-09-902-540-15988

Query Match 5.3%; Score 92.5; DB 4; Length 2214;

Best Local Similarity 21.0%; Pred. No. 5.5; Mismatches 136; Indels 119; Gaps 16;

Matches 80; Conservative 46; Mismatches 136; Indels 119; Gaps 16;

QY 25 GIPVNCDEAIEETIQANPCQVSYRMIGMFREENAKALLETGAV-----DVA 75
 DB 395 GGPEDBAALALBAALQCPAPRVEALL-----ARALLESGRMADAGOSLEALAA 445
 QY 76 AIPREMPKGVKVKLFKPTSDAEFLERHLFLAREGTVODVARVLGFONP--TPFG 133
 DB 446 LAPRHAQATAALQRYL-----RTEDMAA--LAELSTEAPHVAPABA 486
 QY 134 PEMPAEMLYIILDNVIOQL-VEISWYKRLTFSKGHP-----AMRGNDPMLHTN 185
 DB 487 AAMVYELASVLDRLSQP/PABAALRQALRLSPDAVRLVSLVAERG---LRBA 542
 QY 186 EYLEENQVS-----DYEKRRRL-----MESLGP---AADVI 214
 DB 543 ALLETAASATAHDAALLREGAGVARGAHDDKALKARKAHALVPAQGFELASLAE 602
 QY 215 RLKSNNPATTTAECUKALEQVPGSVESRDQIKFLNTYQNGP---KLSAY----- 264
 DB 603 YLRGAVIEALPLQDMLAAADPRSAPEEAESTWLRLAELAEQGETKRAVAAVRLVER 662
 QY 265 -----VIRLEPILQKVEKGAID-----KONVNO-----ARLEOVIGANHS 301
 DB 663 PLCEAAVWMLAALLLEKDDPRGAFDVRVTAAHALAASEDTVQRLVELSARAREVLDA--- 719
 QY 302 GAIRROLWLTGAGEGPGPKPL 322
 DB 720 -GVAASLLAASLASSEPLPL 739

RESULT 12

US-07-920-281C-2
 Sequence 2, Application US/07920281C
 Patent No. 5739026

GENERAL INFORMATION:

APPLICANT: Garoff, Henrik
 TITLE OF INVENTION: DNA Expression Systems Based on
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Birch, Stewart, Kolasch & Birch
 STREET: P.O. Box 747
 CITY: Falls Church
 STATE: Virginia
 COUNTRY: USA
 ZIP: 22040-0747

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/920,281C
 FILING DATE: 13-AUG-1992

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
 NAME: Murphy Jr., Gerald M.
 REGISTRATION NUMBER: 28,977
 REFERENCE/DOCKET NUMBER: 828-103P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-241-1300
 TELEFAX: 703-241-2848

TELEX: 248345
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2431 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-07-920-281C-2

Query Match 5.3%; Score 92.5; DB 1; Length 2431;

Best Local Similarity 19.6%; Pred. No. 6.4;

Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

QY 52 GMPFREENAKALLETGADVVAIPREMCKGVKVKLFKPTSDAEFLERHLFL-- 109
 DB 865 GMRRTNPCKPFIITDTG-----OTKPPGIVLTFRGMAKQLOLDRGHEVMTA 916
 QY 110 -AREGMTVQDVARVILGFONPTPTPGPEMPAEMLYIILDNVIOPLVESIWKRLTFSKG 168
 DB 917 AASQGLTRKGVYAVRQKNENPLVAP--ASEHVAVLLTRTEDRLV---WTLA----- 964
 QY 169 HPRANRGNPDVLEHTNEV-----LEENQVSDVEKRRRLMESLRGPADV----- 213
 DB 965 -----GDPWIKVLSNIPQGNFTATLEWQ---EHDYIMKVIEGPAPVDAFONKA 1012
 QY 214 -----IRILKSNNPATTTA-----ECLNALAEQV----- 236
 DB 1013 NVCAKSLVPLVDITAGIILTAEMSTIITAKREDRAVSPVAALNEICRYGVDDLSGLF 1072
 QY 237 -----FGVSESSR-DAQIKFLNTYQNGEKLGAAYVIRLEPL 271
 DB 1073 SAPKVSLEYENNHNDRPGRMVGFNATARLEARHFLKGMHTGQAVIAERKIQPL 1132
 QY 272 -LQKVE-----KGAIDKNNVQARLEQVITAGNHSGL--RQWLIT 311
 DB 1133 SVLDNVIPINRRLPHALVAEYKTVKGSREWLVMKVRGYHLLVSEYNLALPRRVTLWS 1192
 QY 312 GAGEGPGPKPLSVAGAD 328
 DB 1193 -----PLNVTGAD 1200

RESULT 13

US-08-466-277-2
 Sequence 2, Application US/08466277
 Patent No. 6190666

GENERAL INFORMATION:

APPLICANT: Garoff, Henrik
 TITLE OF INVENTION: DNA Expression Systems Based on
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Birch, Stewart, Kolasch & Birch
 STREET: P.O. Box 747
 CITY: Falls Church
 STATE: Virginia
 COUNTRY: USA
 ZIP: 22040-0747

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/466,277
 FILING DATE: 06-Jun-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: <Unknown>
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Murphy Jr., Gerald M.

REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 828-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-241-1300
TELEFAX: 703-241-2848
TELEX: 248345
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2431 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-08-466-277-2

Query Match 5.3%; Score 92.5; DB 3; Length 2431;
Best Local Similarity 19.6%; Pred. No. 6.4;
Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

52 GEMFRRERAKAALLLELTGAVDYAAIPREMPGKGWVKLFKPPTSDAEFLERLHLFL-- 109
DB 865 GKRRTPNCKKPIIIDTIG-----QTKPKRGDIVLTGFRGAKOQLDYGHEWMTA 916
QY 110 -AREGTVQDVAVVGLFQNPPTPGPEMPAEMLVNIDNVIQPLVESIWKELTLFGSGK 168
DB 917 AASQGLTRKGVAVRQKVENPLVAP--ASEHVNVLLTRTEDRLV---WKTLA----- 964
QY 169 HPRARNGDFWLEHTNEV-----LEEQVDVEKRRRLMESRGPAADV----- 213
DB 965 -----GDPMIKVLSNIPQGNFTATLEWQ---EEHDKIMKYIEGPAAEVDAPONKA 1012
QY 214 -----IRILKSNNPATTTA-----ECLKALEQV----- 236
DB 1013 NVCAKSLVPLVDIAGIRLTAEMSWITITAFKEDRAVSPVALNEICTKYGVDDSLGF 1072
QY 237 -----FGSVESRR-DAQIKFLNTYONPGEKLSAVYIRLEPL 271
DB 1073 SAPKVSLEYENNHNDRPGRMVGFMAATFAARLEARHTFLKQWHTGQAVIAERKIQPL 1132
QY 272 --LQKVE-----KGAIKDNVNOARLEQVIAGANHSQAI--RQQLWLT 311
DB 1133 SVLDNVIPINRRLPHALVAEYKTVKGSRVEMLVNKKRGYHVLVSEYNLALPRRRVTWLS 1192
QY 312 GAGEGPGPKPLSVAGAD 328
DB 1193 -----PLNVTGAD 1200

RESULT 14
US-09-688-842-2
Sequence 2, Application US/09688842
Patent No. 6770283
GENERAL INFORMATION:
APPLICANT: Garoff, Henrik
Liljestrom, Peter
TITLE OF INVENTION: DNA Expression Systems Based on
Alpha/Altruses
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolaach & Birch
STREET: P.O. Box 747
CITY: Falls Church
STATE: Virginia
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/688,842
FILING DATE: 17-Oct-2000

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466,277
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 828-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-241-1300
TELEFAX: 703-241-2848
TELEX: 248345
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2431 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-688-842-2

Query Match 5.3%; Score 92.5; DB 4; Length 2431;
Best Local Similarity 19.6%; Pred. No. 6.4;
Matches 74; Conservative 50; Mismatches 112; Indels 141; Gaps 15;

52 GEMFRRERAKAALLLELTGAVDYAAIPREMPGKGWVKLFKPPTSDAEFLERLHLFL-- 109
DB 865 GKRRTPNCKKPIIIDTIG-----QTKPKRGDIVLTGFRGAKOQLDYGHEWMTA 916
QY 110 -AREGTVQDVAVVGLFQNPPTPGPEMPAEMLVNIDNVIQPLVESIWKELTLFGSGK 168
DB 917 AASQGLTRKGVAVRQKVENPLVAP--ASEHVNVLLTRTEDRLV---WKTLA----- 964
QY 169 HPRARNGDFWLEHTNEV-----LEEQVDVEKRRRLMESRGPAADV----- 213
DB 965 -----GDPMIKVLSNIPQGNFTATLEWQ---EEHDKIMKYIEGPAAEVDAPONKA 1012
QY 214 -----IRILKSNNPATTTA-----ECLKALEQV----- 236
DB 1013 NVCAKSLVPLVDIAGIRLTAEMSWITITAFKEDRAVSPVALNEICTKYGVDDSLGF 1072
QY 237 -----FGSVESRR-DAQIKFLNTYONPGEKLSAVYIRLEPL 271
DB 1073 SAPKVSLEYENNHNDRPGRMVGFMAATFAARLEARHTFLKQWHTGQAVIAERKIQPL 1132
QY 272 --LQKVE-----KGAIKDNVNOARLEQVIAGANHSQAI--RQQLWLT 311
DB 1133 SVLDNVIPINRRLPHALVAEYKTVKGSRVEMLVNKKRGYHVLVSEYNLALPRRRVTWLS 1192
QY 312 GAGEGPGPKPLSVAGAD 328
DB 1193 -----PLNVTGAD 1200

RESULT 15
US-09-055-097-1
Sequence 1, Application US/09055097
Patent No. 5955282
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
APPLICANT: Shah, Purvi
APPLICANT: Patterson, Chandra
TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/055,097
FILING DATE: Filed Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Gertone, Michael C.
REGISTRATION NUMBER: 39,133
REFERENCE/DOCKET NUMBER: R#-0490 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 845-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ. ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 378 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: DIODNOT02
CLONE: 1705085
US-09-055-097-1

Query Match 5.3%; Score 91.5; DB 2; Length 378;
Best local similarity 23.9%; Pred. No. 0.38;
Matches 61; Conservative 26; Mismatches 89; Indels 79; Gaps 15;
QY 11 RGNV-----NSQRTLVW---GIFVNCDEAEIETLOAMPQVSFR-----MGR 53
DB 101 RGLRVQTLFLGLGPNQHP--VMGSGSDLSASAAGDILQAF-QDSYRNLTTLKLSG 157
QY 54 MFWRENKAAALLETGAVD-YAIPREMP-----GKGWVYLFKPP-TSDAEFLERL 105
DB 158 LMAEYHCPMARVYVLTDDVYVNVFELVSELVLRGRMGQWFRSTEPQREAEQEGGYL 217
QY 106 H-----LFLAREGWTVDVAVLGFQNPPTPTPGPEMPAEMLYILDVNIQPLVESIWK 159
DB 218 HSEEVPLLYGRVHVR-----NPSRTPGR-----HRVSEQW--- 251
QY 160 RLTLFGKGHPRAMRGHFDWLEHTNEVLEMQVS--DYKRRRLMESLRGPAADVIRI 216
DB 252 -----PHTW-GFPFPYASGTGYLSASAVALIKVASRAPLL-----PLEDVPWG 295
QY 217 LKSNPAITTAECTK 231
DB 296 VSAARGGIAPTQCVK 310

Search completed: April 8, 2005, 12:52:53
Job time : 27.272 secs


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Db 121 RVLGFGQNPPTPGPEMFAEMLNYILDVNIQPLVESIWKRLTLFSGKHPRARGNFDPW 180
Qy 181 LEHTNEVLEEMQVSDVEKRRRLMESLRGPADVIRILKSNPAITTAECTKALEOVFGSV 240
Db 181 LEHTNEVLEEMQVSDVEKRRRLMESLRGPADVIRILKSNPAITTAECTKALEOVFGSV 240
Qy 241 ESSRDAQIKFLNTYONPGKLSAYVIRLEPLLQKVEKGAIDKDNVNOARLEQVIAGANH 300
Db 241 ESSRDAQIKFLNTYONPGKLSAYVIRLEPLLQKVEKGAIDKDNVNOARLEQVIAGANH 300
Qy 301 SGAIRROLMTGAGEGPGPPLSVAGADP 329
Db 301 SGAIRROLMTGAGEGPGPPLSVAGADP 329

RESULT 2
US-09-804-014A-40
; Sequence 40, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Verneet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinketsu, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804, 014A
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188, 316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188, 277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189, 139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189, 140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190, 401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190, 231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (20)
; OTHER INFORMATION: wherein Xaa is any amino acid as defined in the
; OTHER INFORMATION: specification
US-09-804-014A-40

Query Match 96.4%; Score 1666; DB 10; Length 318;
Best Local Similarity 99.7%; Pred. No. 2,7e-154;
Matches 31; Mismatches 0; Indels 0; Gaps 0;
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Qy 181 LEHTNEVLEEMQVSDVEKRRRLMESLRGPADVIRILKSNPAITTAECTKALEOVFGSV 240
Db 181 LEHTNEVLEEMQVSDVEKRRRLMESLRGPADVIRILKSNPAITTAECTKALEOVFGSV 240
Qy 241 ESSRDAQIKFLNTYONPGKLSAYVIRLEPLLQKVEKGAIDKDNVNOARLEQVIAGANH 300
Db 241 ESSRDAQIKFLNTYONPGKLSAYVIRLEPLLQKVEKGAIDKDNVNOARLEQVIAGANH 300
Qy 301 SGAIRROLMTGAGEGPG 318
Db 301 SGAIRROLMTGAGEGPG 318

RESULT 3
US-09-965-529-7
; Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dying Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965, 529
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149, 641; 60/164, 203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7

Query Match 92.7%; Score 1602; DB 9; Length 353;
Best Local Similarity 96.6%; Pred. No. 5.8e-148;
Matches 308; Mismatches 1; Indels 10; Gaps 0;
```

```

RESULT 4
US-09-969-680A-7
; Sequence 7, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7

Query Match          92.7%; Score 1602; DB 10; Length 353;
Best Local Similarity 96.6%; Pred. No. 5,8e-148;
Matches 308; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 MAMTLLEDMCRGMDVNSQRTLLVWGIPVNCDEAEIETLOAM-POVSYRMIGRMFRRRE 60
DB 1 MAMTLLEDMCRGMDVNSQRTLLVWGIPVNCDEAEIETLOAM-POVSYRMIGRMFRRRE 60
QY 61 ARAALLETGADVAAIPREMPKGGVWVLPFPPTSDAEFLERLTLFLARSGMTYQDVA 120
DB 61 ARAALLETGADVAAIPREMPKGGVWVLPFPPTSDAEFLERLTLFLARSGMTYQDVA 120
QY 121 RVLGFQNPPTPGPEPAEMLYILDNVIOPLVESIWRKLTLSFGSGHPRAMRGFDPW 180
DB 121 RVLGFQNPPTPGPEPAEMLYILDNVIOPLVESIWRKLTLSFGSGHPRAMRGFDPW 180
QY 181 LEHTNEVLEEMQVSDVEKRRRLMESLRGPADVIIRILKSNNPATTTAECIKALEQVFGSV 240
DB 181 LEHTNEVLEEMQVSDVEKRRRLMESLRGPADVIIRILKSNNPATTTAECIKALEQVFGSV 240
QY 241 ESSRDQIKFLNTYONPGKLSAYVIRLEPILQKVVEKGAIDPDNVNQAARLEQVLAGNH 300
DB 241 ESSRDQIKFLNTYONPGKLSAYVIRLEPILQKVVEKGAIDPDNVNQAARLEQVLAGNH 300
QY 301 SGAIRRQLWLTGAGEGPGP 319
DB 301 SGAIRRQLWLTGAGEGPA 319

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; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 321
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-014A-39

Query Match          51.3%; Score 887.5; DB 10; Length 321;
Best Local Similarity 55.4%; Pred. No. 4,8e-78;
Matches 179; Conservative 53; Mismatches 84; Indels 7; Gaps 5;

QY 1 MAMTLLEDMCRGMDVNSQRTLLVWGIPVNCDEAEIETLOAM-POVSYRMIGRMFRRRE 59
DB 1 MTLRLLEDMCRGMDNPPKALLIAGISQCSVAIEELQAGLAPLGRYRLGRFRDE 60
QY 60 NAKAALLETGADVAAIPREMPKGGVWVLPFPPTSDAEFLERLTLFLARSGMTYQDVA 119
DB 61 NRKVALVGLTAEIETSHALVPKEIPGKGIMRYVIFKPPDPDNFSLRNLSEFLAGEGTVSEL 120
QY 120 ARVGFQNPPTPGPEPAEMLYILDNVIOPLVESIWRKLTLSFGSGHPRAMRG 175
DB 121 SPALHENGSLDPECGMIPENWAPMLAOLB-ALQPALQCLTKLRVFSGRESPEPGE 179
QY 176 NEFPMLEHTNEVLEEMQVSDVEKRRRLMESLRGPADVIIRILKSNNPATTTAECIKALEQ 235
DB 180 EFGRMFTITQIKAKQVDPVEKRRRLMESLRGPADVIIRILKSNNPATTTAECIKALEQ 239
QY 236 VFGVSSRDQIKFLNTYONPGKLSAYVIRLEPILQKVVEKGAIDPDNVNQAARLEQVI 295
DB 240 VFGVTDNPRELQVLTLYTQKDEKLSAYVIRLEPILQKVQGAIRERDAVNAARLDQVI 299
QY 296 AGAHSGAIRRQLWLTGAGEGPG 318
DB 300 AGAVHK-TIRRELINPEGDPAG 321

```

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RESULT 5
US-09-804-014A-39
; Sequence 39, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinketsu, Richard
; APPLICANT: Spaderma, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same

```

```

RESULT 6
US-09-965-529-1
; Sequence 1, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74

```


QY 120 ARVLGFQNPFT--PTPG--PEMPAEMLNITLDNVIOPLVESIWKRLTLFSGKGHPRAWRG 175
DB 121 SPALSHENGSLDPEQGMIPERMAWMLAOALE-ALOPALQCLKTKLRVFSGESPEPGE 179
QY 176 NEDPMLBHTNEVLBEWQVSDVEKRRRLMESLRGPADVIRILKSNPPAITTAECIKALBQ 235
DB 180 EFGRMFFHTTQMIKAMQVPDVEKRRRLLESIRGPALDVIRILKINNPITVDECIQALEE 239
QY 236 VFGSVESRDQIKFLNTYQNPGEKLSAVYVIRLEPILQKVVEKGAIDKDNVNOARLEQVI 295
DB 240 VFGVTDNPRELQVKYLTLYQDEBEKLSAVYVIRLEPILQKVORGAIERDAVNOARLDQVI 299
QY 296 AGANHSGAIRROLMTGAGEGPG 318
DB 300 AGAVHK-TIRRELNPEDGPAFG 321

RESULT 9
US-10-341-434-10
Sequence 10, Application US/10341434
Publication No. US20030215835A1
GENERAL INFORMATION:
APPLICANT: Origene Technologies
TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
FILE REFERENCE: 9U 204 205 R1
CURRENT APPLICATION NUMBER: US/10/341,434
CURRENT FILING DATE: 2003-07-18
PRIOR APPLICATION NUMBER: US 60/348,164
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: US 60/348,119
PRIOR FILING DATE: 2002-01-15
NUMBER OF SEQ ID NOS: 238
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 351
TYPE: PRT
ORGANISM: Homo sapiens
US-10-341-434-10

Query Match 51.3%; Score 887.5; DB 15; Length 351;
Best Local Similarity 55.4%; Pred. No. 5.5e-78;
Matches 179; Conservative 53; Mismatches 84; Indels 7; Gaps 5;

QY 1 MAMTLLEDMCRGMDVNSQRTLLVWGIPVNCDEAEIETLQAM-POVSYRMIGMFME 59
DB 1 MTLRLLEDMCRGMDVNSQRTLLVWGIPVNCDEAEIETLQAM-POVSYRMIGMFME 60
QY 60 NAKAALLELTGADVAAIPREMPKGGVWVLFKPPSTDABFLERLHLFLAREGTVQDV 119
DB 61 NRKVALVGLTATETSHALVPKZIRPGGIMRWIFKPPDNDNTFLSLNFEFLAGEGMTVEL 120
QY 120 ARVLGFQNPFT--PTPG--PEMPAEMLNITLDNVIOPLVESIWKRLTLFSGKGHPRAWRG 175
DB 121 SPALSHENGSLDPEQGMIPERMAWMLAOALE-ALOPALQCLKTKLRVFSGESPEPGE 179
QY 176 NEDPMLBHTNEVLBEWQVSDVEKRRRLMESLRGPADVIRILKSNPPAITTAECIKALBQ 235
DB 180 EFGRMFFHTTQMIKAMQVPDVEKRRRLLESIRGPALDVIRILKINNPITVDECIQALEE 239
QY 236 VFGSVESRDQIKFLNTYQNPGEKLSAVYVIRLEPILQKVVEKGAIDKDNVNOARLEQVI 295
DB 240 VFGVTDNPRELQVKYLTLYQDEBEKLSAVYVIRLEPILQKVORGAIERDAVNOARLDQVI 299
QY 296 AGANHSGAIRROLMTGAGEGPG 318
DB 300 AGAVHK-TIRRELNPEDGPAFG 321

RESULT 10
US-09-804-014A-73
Sequence 73, Application US/09804014A
Publication No. US20030064489A1

GENERAL INFORMATION:
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
APPLICANT: Verneet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Spaderna, Steven
APPLICANT: Majumder, Kunud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/188,277
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/189,140
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 73
LENGTH: 312
TYPE: PRT
ORGANISM: Homo sapiens
US-09-804-014A-73

Query Match 50.6%; Score 874.5; DB 10; Length 312;
Best Local Similarity 55.9%; Pred. No. 8.7e-77;
Matches 175; Conservative 53; Mismatches 78; Indels 7; Gaps 5;

QY 1 MAMTLLEDMCRGMDVNSQRTLLVWGIPVNCDEAEIETLQAM-POVSYRMIGMFME 59
DB 1 MTLRLLEDMCRGMDVNSQRTLLVWGIPVNCDEAEIETLQAM-POVSYRMIGMFME 60
QY 60 NAKAALLELTGADVAAIPREMPKGGVWVLFKPPSTDABFLERLHLFLAREGTVQDV 119
DB 61 NRKVALVGLTATETSHALVPKZIRPGGIMRWIFKPPDNDNTFLSLNFEFLAGEGMTVEL 120
QY 120 ARVLGFQNPFT--PTPG--PEMPAEMLNITLDNVIOPLVESIWKRLTLFSGKGHPRAWRG 175
DB 121 SPALSHENGSLDPEQGMIPERMAWMLAOALE-ALOPALQCLKTKLRVFSGESPEPGE 179
QY 176 NEDPMLBHTNEVLBEWQVSDVEKRRRLMESLRGPADVIRILKSNPPAITTAECIKALBQ 235
DB 180 EFGRMFFHTTQMIKAMQVPDVEKRRRLLESIRGPALDVIRILKINNPITVDECIQALEE 239
QY 236 VFGSVESRDQIKFLNTYQNPGEKLSAVYVIRLEPILQKVVEKGAIDKDNVNOARLEQVI 295
DB 240 VFGVTDNPRELQVKYLTLYQDEBEKLSAVYVIRLEPILQKVORGAIERDAVNOARLDQVI 299
QY 296 AGANHSGAIRROL 308
DB 300 AGAVHK-TIRREL 311

RESULT 11
US-09-804-014A-74
Sequence 74, Application US/09804014A
Publication No. US20030064489A1
GENERAL INFORMATION:
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
APPLICANT: Verneet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Spaderna, Steven
APPLICANT: Majumder, Kunud

TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 FILE REFERENCE: 15966-721 US
 CURRENT APPLICATION NUMBER: US/09/804,014A
 CURRENT FILING DATE: 2002-04-24
 PRIOR APPLICATION NUMBER: 60/188,316
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/188,277
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/189,139
 PRIOR FILING DATE: 2000-03-14
 PRIOR APPLICATION NUMBER: 60/189,140
 PRIOR FILING DATE: 2000-03-14
 PRIOR APPLICATION NUMBER: 60/190,401
 PRIOR FILING DATE: 2000-03-17
 PRIOR APPLICATION NUMBER: 60/190,231
 PRIOR FILING DATE: 2000-03-17
 NUMBER OF SEQ ID NOS: 75
 SOFTWARE: Patent Ver. 2.1
 SEQ ID NO 74
 LENGTH: 312
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-804-014A-74

Query Match 50.6%; Score 874.5; DB 10; Length 312;
 Best Local Similarity 55.9%; Pred. No. 8.7e-77;
 Matches 175; Conservative 53; Mismatches 78; Indels 7; Gaps 5;

QY 1 MAMTLEEDWCRGMDVNSORTLLVWGI PVNCD EAEIEETLQAM-POVS YRMIGRMFWREE 59
 DB 1 MTLRLLEDWCRGMDVNSORTLLVWGI PVNCD EAEIEETLQAM-POVS YRMIGRMFWREE 60
 QY 60 NAKAALLEITGAVDYAALPREMPGKGWVKYLFKPTSDAEFLERLHLFLAREGTYVDV 119
 DB 61 NRVKLVAGTAEIETSHLVKPEI PGKGIWVIFKPPDPNTFLSRNEFLAGSGMTVGL 120
 QY 120 ARVLGFONPT--PTPG--PEMPAEMNLVDNVIQPLVESIWKRLTLFSGKHPRAMWG 175
 DB 121 SRALGHENSLDEQGMIPBEMAPMLAOLAE-ALQALQCLKYLKRVSGHSPRGRE 179
 QY 176 NPDWLEHTNEVLEWQSDVDEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALFO 235
 DB 180 EFGRMHEHTTQMKAKQVDPVEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALFO 239
 QY 236 VFGSVSSRDQIKFLNTYONPEKLSAVYIRLEPLQKVEKGAIDKDNVQARLEQYI 295
 DB 240 VFGVTNPRLQYKYLITLQKBEKLSAVYIRLEPLQKVEKGAIDKDNVQARLEQYI 299
 QY 296 AGAHSGAIRROL 308
 DB 300 AGAVHK-TIRREL 311

RESULT 12
 US-10-037-860-13
 Sequence 13, Application US/10037860
 Publication No. US20020123114A1
 GENERAL INFORMATION:
 APPLICANT: Jerome B. Posner
 APPLICANT: Myrna O. Rosenfeld
 APPLICANT: Myrna O. Rosenfeld
 TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
 TITLE OF INVENTION: ANTIBODIES
 FILE REFERENCE: 2581, 1004-004
 CURRENT APPLICATION NUMBER: US/10/037,860
 CURRENT FILING DATE: 2001-01-04
 PRIOR APPLICATION NUMBER: 09/189,527
 PRIOR FILING DATE: 1998-11-10
 NUMBER OF SEQ ID NOS: 14
 SOFTWARE: FastSeq for Windows, Version 4.0
 SEQ ID NO 13
 LENGTH: 463
 TYPE: PRT

ORGANISM: homo sapiens
 US-10-037-860-13

Query Match 44.3%; Score 766.5; DB 13; Length 463;
 Best Local Similarity 50.2%; Pred. No. 5.9e-66;
 Matches 157; Conservative 50; Mismatches 103; Indels 3; Gaps 2;

QY 1 MAMTLEEDWCRGMDVNSORTLLVWGI PVNCD EAEIEETLQAM-POVS YRMIGRMFWREE 59
 DB 1 MTLRLLEDWCRGMDVNSORTLLVWGI PVNCD EAEIEETLQAM-POVS YRMIGRMFWREE 60
 QY 60 NAKAALLEITGAVDYAALPREMPGKGWVKYLFKPTSDAEFLERLHLFLAREGTYVDV 119
 DB 61 NRVKLVAGTAEIETSHLVKPEI PGKGIWVIFKPPDPNTFLSRNEFLAGSGMTVGL 120
 QY 120 ARVLGFONPTPGPEMPAEMNL--IIDNVIQPLVESIWKRLTLFSGKHPRAMGNF 177
 DB 121 NRVKLVAGTAEIETSHLVKPEI PGKGIWVIFKPPDPNTFLSRNEFLAGSGMTVGL 180
 QY 178 DFWLEHTNEVLEWQSDVDEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALFO 237
 DB 181 DFWLEHTNEVLEWQSDVDEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALFO 240
 QY 238 GSVSSRDQIKFLNTYONPEKLSAVYIRLEPLQKVEKGAIDKDNVQARLEQYI 297
 DB 241 GSVSSRDQIKFLNTYONPEKLSAVYIRLEPLQKVEKGAIDKDNVQARLEQYI 300
 QY 298 AGAHSGAIRROL 310
 DB 301 AGAVHK-TIRREL 311

RESULT 13
 US-10-408-765A-2385
 Sequence 2385, Application US/10408765A
 Publication No. US20040101874A1
 GENERAL INFORMATION:
 APPLICANT: Ghosh, Soumitra S.
 APPLICANT: Faby, Boia D.
 APPLICANT: Zhang, Bing
 APPLICANT: Gibson, Bradford W.
 APPLICANT: Taylor, Steven W.
 APPLICANT: Glenn, Gary M.
 APPLICANT: Wernock, Dale E.
 TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
 TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
 FILE REFERENCE: 660088,465
 CURRENT APPLICATION NUMBER: US/10/408,765A
 CURRENT FILING DATE: 2003-04-04
 NUMBER OF SEQ ID NOS: 3077
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 2385
 LENGTH: 452
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-408-765A-2385

Query Match 43.0%; Score 744; DB 16; Length 452;
 Best Local Similarity 46.0%; Pred. No. 9.1e-64;
 Matches 143; Conservative 64; Mismatches 100; Indels 4; Gaps 2;

QY 1 MAMTLEEDWCRGMDVNSORTLLVWGI PVNCD EAEIEETLQAM-POVS YRMIGRMFWREE 59
 DB 5 MTLRLLEDWCRGMDVNSORTLLVWGI PVNCD EAEIEETLQAM-POVS YRMIGRMFWREE 64
 QY 60 NAKAALLEITGAVDYAALPREMPGKGWVKYLFKPTSDAEFLERLHLFLAREGTYVDV 119
 DB 61 NRVKLVAGTAEIETSHLVKPEI PGKGIWVIFKPPDPNTFLSRNEFLAGSGMTVGL 120
 QY 120 ARVLGFONPTPGPEMPAEMNL--IIDNVIQPLVESIWKRLTLFSGKHPRAMGNF 177
 DB 121 NRVKLVAGTAEIETSHLVKPEI PGKGIWVIFKPPDPNTFLSRNEFLAGSGMTVGL 180
 QY 178 DFWLEHTNEVLEWQSDVDEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALFO 237
 DB 181 DFWLEHTNEVLEWQSDVDEKRRRLMESLRGPAADVIRILKSNPAITTAECLEKALFO 240
 QY 238 GSVSSRDQIKFLNTYONPEKLSAVYIRLEPLQKVEKGAIDKDNVQARLEQYI 297
 DB 241 GSVSSRDQIKFLNTYONPEKLSAVYIRLEPLQKVEKGAIDKDNVQARLEQYI 300
 QY 298 AGAHSGAIRROL 310
 DB 301 AGAVHK-TIRREL 311

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OM protein - protein search, using sw model

Run on: April 8, 2005, 11:48:54 ; Search time 14.9789 Seconds
(without alignments)
971.808 Million cell updates/sec

Title: US-10-037-860-7
Perfect score: 996
Sequence: 1 PLALLEDWCRIMSVDEQKSL.....EESFEVWLEQATEIVKEMP 195

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74639064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/prodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/prodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/1/1aa/6CTUS.COMB.pep:*
6: /cgn2_6/prodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	996	100.0	195	US-09-189-527-7	Sequence 7, Appl
2	443.5	44.5	462	US-09-189-527-13	Sequence 13, Appl
3	441	44.3	329	US-09-189-527-4	Sequence 4, Appl
4	87.5	8.8	311	US-08-318-837-9	Sequence 9, Appl
5	87.5	8.8	3838	US-09-949-016-10853	Sequence 10853, A
6	84.5	8.5	520	US-09-792-024-121	Sequence 121, App
7	84.5	8.5	527	US-09-248-796A-15917	Sequence 15917, A
8	84	8.4	612	US-09-902-540-13545	Sequence 13545, A
9	82.5	8.3	547	US-09-134-000C-5974	Sequence 5974, Ap
10	81.5	8.2	285	US-09-248-796A-16474	Sequence 16474, A
11	81.5	8.2	580	US-09-328-352-7656	Sequence 7656, Ap
12	81	8.1	1442	US-09-902-540-9777	Sequence 9777, Ap
13	80.5	8.1	136	US-09-352-991A-31474	Sequence 31474, A
14	80.5	8.1	270	US-08-852-743-5	Sequence 5, Appl
15	80.5	8.1	270	US-09-185-370-5	Sequence 5, Appl
16	80.5	8.1	385	US-09-971-020A-3	Sequence 3, Appl
17	80.5	8.1	487	US-08-712-709-8	Sequence 8, Appl
18	80.5	8.1	487	US-09-111-444-8	Sequence 8, Appl
19	80.5	8.1	487	US-09-541-228-8	Sequence 8, Appl
20	80	8.0	375	US-09-328-352-7783	Sequence 7783, Ap
21	80	8.0	430	US-09-949-016-10720	Sequence 10720, A
22	79	7.9	258	US-09-252-991A-24184	Sequence 24184, A
23	78.5	7.9	316	US-08-403-634-4	Sequence 4, Appl
24	78.5	7.9	316	US-08-403-634-31	Sequence 31, Appl
25	78.5	7.9	316	US-08-913-441B-4	Sequence 4, Appl
26	78.5	7.9	316	US-08-913-441B-31	Sequence 31, Appl
27	78.5	7.9	316	US-09-571-985C-4	Sequence 4, Appl

28	78.5	7.9	316	US-09-571-985C-31	Sequence 31, Appl
29	78.5	7.9	445	US-09-457-046B-52	Sequence 52, Appl
30	78.5	7.9	445	US-09-866-570B-52	Sequence 52, Appl
31	78.5	7.9	745	US-08-136-277-2	Sequence 2, Appl
32	78.5	7.9	745	US-08-479-403-2	Sequence 2, Appl
33	78.5	7.9	745	US-08-835-734-2	Sequence 2, Appl
34	77.5	7.8	1657	US-08-287-959-1	Sequence 1, Appl
35	77.5	7.8	1657	US-09-949-016-6427	Sequence 6427, Ap
36	77.5	7.8	1678	US-09-949-016-9445	Sequence 9445, Ap
37	77.5	7.8	1805	US-07-853-913-2	Sequence 2, Appl
38	77	7.7	473	US-09-252-991A-29636	Sequence 29636, A
39	77	7.7	542	US-09-489-847-323	Sequence 323, App
40	77	7.7	910	US-09-902-540-10432	Sequence 10432, A
41	76	7.6	248	US-09-489-039A-12849	Sequence 12849, A
42	76	7.6	76	US-09-949-016-10724	Sequence 10724, A
43	76	7.6	759	US-09-252-991A-30106	Sequence 30106, A
44	75.5	7.6	475	US-09-370-838-193	Sequence 193, App
45	75.5	7.6	475	US-09-854-133-193	Sequence 193, App

ALIGNMENTS

RESULT 1
US-09-189-527-7
; Sequence 7, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 195
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-7

Query Match	Score	DB 3	Length
Best Local Similarity	100.0%	Pred. No. 1	98-98
Matches: 195; Conservative	0;	Mismatches	0;
Indels	0;	Gaps	0;
QY	1	PLALLEDWCRIMSVDEQKSLMTGTIPADFEAEIOEVLQETLKSIGRRLLGKIFRKQEN	60
DB	1	PLALLEDWCRIMSVDEQKSLMTGTIPADFEAEIOEVLQETLKSIGRRLLGKIFRKQEN	60
QY	61	ANAVLLELEPTDVSAISEVQKGKVKVFKTPNQTETLERLNTFLKEGQTVSGMF	120
DB	61	ANAVLLELEPTDVSAISEVQKGKVKVFKTPNQTETLERLNTFLKEGQTVSGMF	120
QY	121	RALGGEALSPATVPICISPELLAHLGQAMAAPOPILPMRYRKLRFVFGSAVPAPEESF	180
DB	121	RALGGEALSPATVPICISPELLAHLGQAMAAPOPILPMRYRKLRFVFGSAVPAPEESF	180
QY	181	EVMLEQATEIVKEMP 195	
DB	181	EVMLEQATEIVKEMP 195	
RESULT 2	US-09-189-527-13	Application US/09189527A	
Sequence 13, Application US/09189527A	Patent No. 6387639	GENERAL INFORMATION:	
APPLICANT: Jerome B. Posner	APPLICANT: Joseph O. Dalmau	APPLICANT: Myrna R. Rosenfeld	

APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10853
LENGTH: 3838
TYPE: PRT
ORGANISM: Human
US-09-949-016-10853

Query Match 8.8%; Score 87.5; DB 4; Length 3838;
Best Local Similarity 24.0%; Pred. No. 22;
Matches 50; Conservative 28; Mismatches 71; Indels 59; Gaps 9;

Qy 20 LMTGIPADFEAEIOEVLQETLSLGR-----YRLIGKIFRKQENNAVIL 66
Db 859 LCVNIDQDFLDYHQPVAELMQLMRLRNPAISISHVAVLGKF---GGSNRKML 914
Qy 67 ELLEPTDVSAIPSEVQGGKWKVIFKTPNDETFLE---RNLLEKEGOT----- 115
Db 915 K--SQKALYVTVG-----PSITVESDCASQLPMEKALIFALDCLKSA 961
Qy 116 -VSGMFRLAGOEALSPATVPCISPELLAHLGQAMAH-----APOLLPMRYEKLRFV 167
Db 962 NTEPYRQAMVICKPLVAMMSLEDNKGALYQLAHNPFTEKTIPIVYISHRYK----- 1016
Qy 168 SGSAPVAPPEESFEVWLQV--TEIVKE 193
Db 1017 ---ADTTPARKTFEQALGAFMSAVIKD 1041

RESULT 6
US-09-792-024-121
Sequence 121, Application US/09/792024
Patent No. 6783985

GENERAL INFORMATION:
APPLICANT: Roemer, Terry
APPLICANT: Jiang, Bo
APPLICANT: Boone, Charles
APPLICANT: Buebey, Howard
TITLE OF INVENTION: Gene Disruption Methodologies for Drug
Targets Discovery
FILE REFERENCE: 10182-004-999
CURRENT APPLICATION NUMBER: US/09/792,024
CURRENT FILING DATE: 2001-02-20
NUMBER OF SEQ ID NOS: 490
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 121
LENGTH: 520
TYPE: PRT
ORGANISM: Candida albicans
US-09-792-024-121

Query Match 8.5%; Score 84.5; DB 4; Length 520;
Best Local Similarity 23.1%; Pred. No. 2.5;
Matches 51; Conservative 39; Mismatches 78; Indels 53; Gaps 11;

Qy 7 DMCRLMSVDEQKSLMVTG-IP-----ADFEAEIOEVLQETLSLGRYRLIGKIFRK 57
Db 241 DYTTRSVDEKCS--ITGMIPSSITRKIAEVMVANSVNEKSKRNVELLEKFGKIYDK 298
Qy 58 QENNAVILLEED---TDVSAIPSEVQGGKWKVIFKTPNDETFLE---KE 112

Db 299 R-SGNRIDLVNVTCEITFDHSSVFEDMQUEEVANKI-----TKFLDELEKSFQEGKK 350
Qy 113 GQTVSGM-----FRALGOEA-----LSPATVPCISPELLAHLGQAMAH 152
Db 351 GRKFKTLESNDTDSFYQGRGKEHPKIRVTKDNLSPRLVALQKEKRVADL-----YIHN 406
Qy 153 PQLPMPKRYKLRFVSGSAPVAPPEESFEVWLQVATEIVKE 193
Db 407 PGSIF-----DLRLMSLSLEIPVQGNIESITTKKKPEVYRE 442

RESULT 7
US-09-248-796A-15917
Sequence 15917, Application US/09248796A
Patent No. 6747137

GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 15917
LENGTH: 527
TYPE: PRT
ORGANISM: Candida albicans
US-09-248-796A-15917

Query Match 8.5%; Score 84.5; DB 4; Length 527;
Best Local Similarity 23.1%; Pred. No. 2.5;
Matches 51; Conservative 39; Mismatches 78; Indels 53; Gaps 11;

Qy 7 DMCRLMSVDEQKSLMVTG-IP-----ADFEAEIOEVLQETLSLGRYRLIGKIFRK 57
Db 248 DYTTRSVDEKCS--ITGMIPSSITRKIAEVMVANSVNEKSKRNVELLEKFGKIYDK 305
Qy 58 QENNAVILLEED---TDVSAIPSEVQGGKWKVIFKTPNDETFLE---KE 112
Db 306 R-SGNRIDLVNVTCEITFDHSSVFEDMQUEEVANKI-----TKFLDELEKSFQEGKK 357
Qy 113 GQTVSGM-----FRALGOEA-----LSPATVPCISPELLAHLGQAMAH 152
Db 358 GRKFKTLESNDTDSFYQGRGKEHPKIRVTKDNLSPRLVALQKEKRVADL-----YIHN 413
Qy 153 PQLPMPKRYKLRFVSGSAPVAPPEESFEVWLQVATEIVKE 193
Db 414 PGSIF-----DLRLMSLSLEIPVQGNIESITTKKKPEVYRE 449

RESULT 8
US-09-902-540-13545
Sequence 13545, Application US/09902540
Patent No. 6833447

GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(115849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 13545
LENGTH: 612
TYPE: PRT

ORGANISM: Myxococcus xanthus
US-09-902-540-13545

Query Match 8.4%; Score 84; DB 4; Length 612;
Best Local Similarity 23.9%; Pred. No. 3.6;
Matches 53; Conservative 31; Mismatches 64; Indels 74; Gaps 13;

QY 30 EBAEIOEVLOE-----TLKSLGRYRLGKIFRKE-NANAV--LLELED--- 71
DB 297 ELGEVEAVYRQYDVRDAAALVREDTQGRRLVGVVQAELDASLRSEFMERLPHLY 356
QY 72 -----TVSAIPSEVQKGVWKYIFETPNODTE-----FILE 103
DB 357 PAFVALDALPLSPSGKTVRALPAPDARGNAKV-FTEPRTEAKALALMTQVLVE 415
QY 104 RLNL---FLEKSGQVTSKM---FRAIGQALSPATVPCISPELLAHLG----- 146
DB 416 RVSLLHNFPELGDSLTGQIVSRAGLGE--LEPMML--FERQTLVELAAAAAGTAKGT 472
QY 147 --QAMAHAPQPLPMRYRKLRYVSGS-AVAPAEESFEVWLE 185
DB 473 AAGGLVEGVPILPMQ---RIFPEEMALPQHHYNLAVLE 510

RESULT 9
US-09-134-000C-5974

Sequence 5974, Application US/09134000C
Patent No. 6617156

GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
FILE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 032796-032
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/055,778
PRIOR FILING DATE: 1997-08-15
NUMBER OF SEQ ID NOS: 6812
SOFTWARE: Patentin version 3.1
SEQ ID NO 5974
LENGTH: 547
TYPE: PRT
ORGANISM: Enterococcus faecalis
US-09-134-000C-5974

Query Match 8.3%; Score 82.5; DB 4; Length 547;
Best Local Similarity 22.0%; Pred. No. 4.4;
Matches 44; Conservative 38; Mismatches 65; Indels 53; Gaps 9;

QY 5 LEDM-CRIMSYDEOKSLWVTGI--PAD-----FEEBAE-----IOEVLQETLSLGRY 48
DB 310 LELMKRYRLINSYQDLAVYGVTKENETHIRYQQAEGQLFQWLKEQLPEILPDVALF 369
QY 49 RLIGK-----IRKQENANAVLLELEDTVSAIPSEVO-GGQGVWKYIFETPNODTEFL 102
DB 370 KKNQKNSILIFQSKNDLMLQLNLAERLQALPTTIFALGNAENLEDLPSNYIEAS 429
QY 103 ERLNLFLEKSGQVSGMFRALGOEALSPATVPCISPELLAHLG-----LG-----Q 147
DB 430 STEEAL-----HAKPXTVOLFHKKGLAGLFKEKIGTDEVEYFCQQQLK 473
QY 148 AMAHAPQPLPMRYRKLRYV 167
DB 474 ELAVPEPTLQELRLKTLKYF 493

RESULT 10
US-09-248-796A-16474
Sequence 16474, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN

TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 16474
LENGTH: 285
TYPE: PRT
ORGANISM: Candida albicans
US-09-248-796A-16474

Query Match 8.2%; Score 81.5; DB 4; Length 285;
Best Local Similarity 21.0%; Pred. No. 2.1;
Matches 51; Conservative 37; Mismatches 62; Indels 93; Gaps 11;

QY 26 PADFEBAEIOEVLO--ETLKS-LGRY-----RLIGKIFRQENANAVLLELEDTD 73
DB 32 PKGEKAAVGDILQSRTPKSIITGRFAPLKIQNSMQLTVSEDSFGPNNAITVIVIE--P 89
QY 74 VSAIPSEVQKGVWKYIFETPNOD-----TELEKLNLF----- 109
DB 90 VNADPSKLAS---YQVFEDAKAKDCAPVALQPSDLTFVTQAEVYLMAPLLDQGYV 145
QY 110 -----EKKGQTVSGMFRP-----LGOEA-----LSP 130
DB 146 VSPDEGKRLFTTGKQSGCAVLSIRATYTLKSKITINKEKAKVVMGYSGLASGMAL 205
QY 131 ATPCISPELLAHLGQAMAHAPQPLPMRYRKLRY-----FSGAVPAPEESF 180
DB 206 ALQSYABELSSSLGCLRWNYYPNLLPHKQMLVLYVQELMQMPWGVGANVEYSES- 264
QY 181 EVW 183
DB 265 -IW 266

RESULT 11
US-09-328-352-7656

Sequence 7656, Application US/09328352
Patent No. 6562958

GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 7656
LENGTH: 580
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-7656

Query Match 8.2%; Score 81.5; DB 4; Length 580;
Best Local Similarity 25.2%; Pred. No. 6.1;
Matches 36; Conservative 22; Mismatches 58; Indels 27; Gaps 5;

QY 30 EBAEIOEVLOETLSLGR-----YRL-LGKIFRQENANAVLLELEDTVS 75
DB 248 EGTAEQVLEQPKDYTRALLYCRPQMSQRPYRLPVSDFWRQF--NNIIVE--QSEFVS 303
QY 76 AIPSEVQKGVWKYIFETPNODTEFLERLNLFLKSGQVTSKM-----FRAIGQ 126
DB 304 EIPERKRLNDEDIILLEVQDLKKSFSYRKLGEKEEFQAVKGVSYFLANGKTLGLVGS 363
QY 127 ALSPATVPCISPELLAHLGQAM 149
DB 364 GSKTTVGLLMRLHQASGQAL 386

RESULT 12

US-09-902-540-9777
 ; Sequence 9777, Application US/09902540
 ; Patent No. 6833447
 ; GENERAL INFORMATION:
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Wiegand, Roger C.
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 ; FILE REFERENCE: 38-10(15849)H
 ; CURRENT APPLICATION NUMBER: US/09/902,540
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: 60/217,883
 ; PRIOR FILING DATE: 2000-07-10
 ; NUMBER OF SEQ ID NOS: 16825
 ; SEQ ID NO 9777
 ; LENGTH: 1442
 ; TYPE: PRT
 ; ORGANISM: Myxococcus xanthus
 US-09-902-540-9777

Query Match

Best Local Similarity 8.1%; Score 81; DB 4; Length 1442;
 Matches 56; Conservative 32; Mismatches 69; Indels 72; Gaps 15;

DB 2 LALLBDMCR-----IMSVDKSLMTGT-----PADFEAEIOEVLQET 41
 DB 671 LALRKRCRSEFDELQAAATGDCILSLGQHSFPLAEIPDFLPHVEEVLQAVLQAP 730
 QY 42 L-----KSLGRYRLG-KIPKQENANAVILLEEDTVAIPSEV-----QGK 84
 DB 731 IESTRRWATRLALHRRNGKRVANLORAS-----EDLLASVFPQVCQDNHG 784
 QY 85 GGVWVYIKFTPNOD--TEFLRLNLFLEKGGQTVSGMFRAL-----QGEALSPATVPCIS 137
 DB 785 GDL-----ELPDHPLVTOTDD---CLRAMDVDGLREVLRCGMDCRIRLLARDVP--E 833
 QY 138 PELLALHLLGQAMAHAPPL-----LPWRYKLR-VPSGSAVVPPEESSF 180
 DB 834 PSLFAH---AMHS-QPYFLDPAERERVRVVALRRAMPADVTA 877

RESULT 13

US-09-252-991A-31474
 ; Sequence 31474, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 31474
 ; LENGTH: 136
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-31474

Query Match 8.1%; Score 80.5; DB 4; Length 136;
 Best Local Similarity 21.6%; Pred. No. 0.92;
 Matches 41; Conservative 24; Mismatches 48; Indels 77; Gaps 9;

QY 17 QKSLMTGTGIP-----ADFEAEIOEVLQETLSLGRYRLGKIFRKQENANAVILLEED 71

DB 9 QHHIFRTGVKMSKLAEFREAE-----RKLOEQALLKXKSD 46

QY 72 TDVSAIPSEVQGGVWVYIKFTPNODTEFLRLNLFLEKGGQTVSGMFRALQGEALSPA 131

DB 47 SSL-----KOLEFEKRLQALMKYGMTLHNTIAILDPRK--PV 83

QY 132 TVPCISPELLALHLLGQAMAHAPQPLPMRYKLRVF-----SGSAVPAP--EESSEFWL 185

DB 84 TV-----SAAPQ---RRALALKYKNPNNGEVETKGNHKLKAYKE 123

QY 186 Q-ATEIVKEM 194

DB 124 QVSEFVSEW 133

RESULT 14

US-08-852-743-5
 ; Sequence 5, Application US/08852743
 ; Patent No. 5830699
 ; GENERAL INFORMATION:
 ; APPLICANT: Force, Thomas
 ; APPLICANT: Kyriakis, John M.
 ; APPLICANT: Bombo, Celia M.
 ; APPLICANT: Bonventre, Joseph
 ; TITLE OF INVENTION: SOK-1 AND METHODS OF USE
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson, P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: US
 ; ZIP: 02110-2804
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows95
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/852,743
 ; FILING DATE: 7-MAY-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/016,774
 ; FILING DATE: 7-MAY-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Fraser, Janie K.
 ; REGISTRATION NUMBER: 34,819
 ; REFERENCE/DOCKET NUMBER: 00786/327001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617/542-5070
 ; TELEFAX: 617/542-8906
 ; TELEX: 200154
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 270 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-852-743-5

Query Match 8.1%; Score 80.5; DB 2; Length 270;
 Best Local Similarity 22.0%; Pred. No. 2.5;
 Matches 44; Conservative 26; Mismatches 85; Indels 45; Gaps 6;

QY 2 LALLBDMCRIMSVD-----QKSLMTGTGIPADFEAEIOEVLQETLSLGRYRLGKIFR 56

DB 73 LWTWVEYCGAGSVSDILRLRNKTL-----TDELTATILQSTLKGLELYAHFRKRIHR 123

QY 57 KOENANAVILLEEDTVAIPSEVQGGVWVYIKFTPNODTEFLRLNLFLEKGGQTV 116

DB 124 DIKAGNILL-----NTGSHAKLADFGVAGQGLDTMAKRN-----TV 159

QY 117 SGMERALGQALSPATVVCISPELLAHLLGQAMAHAPOP---LLPMRYRKLRVSSGAVP 173
DB 160 IGTFFMAPEVIOEIGVACVADISLGTALTEMAEGKRPVADIHPRM-----AIFMIPITNP 215
QY 174 APEESFEVWLEQATEIVKE 193
DB 216 PPTFRKPELWSDNFTDFVXQ 235

RESULT 15

US-09-185-370-5
; Sequence 5, Application US/09185370
; Patent No. 6093560
; GENERAL INFORMATION:
; APPLICANT: Force, Thomas
; APPLICANT: Kyriakis, John M.
; APPLICANT: Bombo, Celia M.
; APPLICANT: Bonventre, Joseph
; TITLE OF INVENTION: SOK-1 AND METHODS OF USE
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fleh & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/185,370
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/852,743
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 00786/327001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 270 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-185-370-5

Query Match 8.1%; Score 80.5; DB 3; Length 270;
Best Local Similarity 22.0%; Pred. No. 2.5;
Matches 44; Conservative 26; Mismatches 85; Indels 45; Gaps 6;

QY 2 LALLDEMRIMSVE-----OKSLMVTGIPADFEAEIQLVLOETILSKSGRYRLGKIIFR 56
DB 73 LMIWEXYCGAGSVSDIRLNKRL-----TEDEIATILOSTLKGLEYLHFMRIHR 123
QY 57 KOENANAVLLELBEDTVSAIPSEYQKGVWVYIPTPNODEFLERLNFLEKEGQTV 116
DB 124 DIXAGNILL-----NTEGHAKLADFGVAGLITPMARN-----TV 159
QY 117 SGMERALGQALSPATVVCISPELLAHLLGQAMAHAPOP---LLPMRYRKLRVSSGAVP 173
DB 160 IGTFFMAPEVIOEIGVACVADISLGTALTEMAEGKRPVADIHPRM-----AIFMIPITNP 215
QY 174 APEESFEVWLEQATEIVKE 193

DB 216 PPTFRKPELWSDNFTDFVXQ 235
Search completed: April 8, 2005, 12:52:55
Job time : 16.9789 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 8, 2005, 12:40:26 ; Search time 43.5624 Seconds

(without alignments)
1466.133 Million cell updates/sec

Title: US-10-037-860-7

Perfect score: 996
Sequence: 1 PALLLEDWCRIMSVDECKSL.....EESEFEWLEQATEIVKEMP 195

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1418010 seqs, 331997259 residues

Total number of hits satisfying chosen parameters: 1418010

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Published Applications AA:
2: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubppaa/PCT_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubppaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubppaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubppaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubppaa/US09_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubppaa/US09B_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubppaa/US09C_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubppaa/US09_NEW_PUB.pep.*
12: /cgn2_6/ptodata/1/pubppaa/US10A_PUBCOMB.pep.*
13: /cgn2_6/ptodata/1/pubppaa/US10B_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubppaa/US10C_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubppaa/US10D_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubppaa/US10E_PUBCOMB.pep.*
17: /cgn2_6/ptodata/1/pubppaa/US10_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubppaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	996	100.0	195	137 US-10-037-860-7	Sequence 7, Appli
2	604	60.6	120	16 US-09-804-014A-42	Sequence 42, Appli
3	593	59.5	120	131 US-10-037-860-11	Sequence 11, Appli
4	466	46.8	353	9 US-09-965-529-7	Sequence 7, Appli
5	466	46.8	353	10 US-09-969-680A-7	Sequence 7, Appli
6	462.5	46.4	463	13 US-10-037-860-13	Sequence 13, Appli
7	441	44.3	329	13 US-10-037-860-4	Sequence 4, Appli
8	440	44.2	318	10 US-09-804-014A-40	Sequence 40, Appli
9	436	43.8	312	10 US-09-804-014A-73	Sequence 73, Appli
10	436	43.8	312	10 US-09-804-014A-74	Sequence 74, Appli
11	436	43.8	321	10 US-09-804-014A-39	Sequence 39, Appli
12	436	43.8	351	9 US-09-965-529-1	Sequence 1, Appli
13	436	43.8	351	10 US-09-804-014A-16	Sequence 16, Appli

14	436	43.8	351	10	US-09-969-680A-1	Sequence 1, Appli
15	436	43.8	351	15	US-10-341-434-10	Sequence 10, Appli
16	434	43.6	452	16	US-10-408-765A-2385	Sequence 2385, Ap
17	345	34.6	399	15	US-10-094-749-1978	Sequence 11, Appli
18	327.5	32.9	204	14	US-10-029-386-33747	Sequence 33747, A
19	306	30.7	120	10	US-09-804-014A-41	Sequence 41, Appli
20	270	27.1	116	9	US-09-864-761-34645	Sequence 34645, A
21	146	14.7	538	16	US-10-408-765A-2992	Sequence 2992, Ap
22	137.5	13.8	584	15	US-10-291-112-355	Sequence 355, App
23	137.5	13.8	584	15	US-10-221-278-355	Sequence 355, App
24	99.5	10.0	402	15	US-10-094-466-138	Sequence 38, Appli
25	97.5	9.8	402	17	US-10-959-539-26	Sequence 26, Appli
26	92.5	9.3	337	15	US-10-296-115-1208	Sequence 1208, Ap
27	89	8.9	342	13	US-10-001-857-201	Sequence 201, App
28	87.5	8.8	255	13	US-10-087-192-213	Sequence 213, App
29	87.5	8.8	311	10	US-09-727-100-1	Sequence 1, Appli
30	87.5	8.8	1357	15	US-10-295-027-1199	Sequence 1199, Ap
31	87.5	8.8	3859	16	US-10-408-765A-354	Sequence 354, App
32	86	8.6	1083	15	US-10-369-493-4443	Sequence 4443, Ap
33	86	8.6	1083	15	US-10-369-493-7202	Sequence 7202, Ap
34	86	8.6	1084	15	US-10-282-122A-49912	Sequence 49912, A
35	85.5	8.6	407	15	US-10-369-493-17903	Sequence 17903, A
36	84.5	8.5	520	9	US-09-213-678-2	Sequence 2, Appli
37	84.5	8.5	520	14	US-10-032-585-7035	Sequence 7035, Ap
38	84	8.4	336	9	US-09-745-763-17	Sequence 17, Appli
39	84	8.4	1638	13	US-10-090-458-2	Sequence 2, Appli
40	84	8.4	1642	13	US-10-090-458-5	Sequence 5, Appli
41	84	8.4	1642	14	US-10-005-338B-5	Sequence 5, Appli
42	84	8.4	3613	14	US-10-156-761-10432	Sequence 10432, A
43	83.5	8.4	492	9	US-09-764-898-206	Sequence 206, App
44	82	8.2	408	15	US-10-425-114-55513	Sequence 55513, A
45	82	8.2	547	16	US-10-437-963-199553	Sequence 199553, A

ALIGNMENTS

RESULT 1
US-10-037-860-7
; Sequence 7, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Josep B. Pognier
; APPLICANT: Josep O. Dalmat
; APPLICANT: Myrta R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 195
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-7

Query Match 100.0%; Score 996; DB 13; Length 195;
Best Local Similarity 100.0%; Pred. No. 4.2e-92;
Matches 195; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PALLLEDWCRIMSVDECKSLMTGIPADFEAEIOEVLQETLSIGRYLLGKIFRKQEN 60
DB 1 PALLLEDWCRIMSVDECKSLMTGIPADFEAEIOEVLQETLSIGRYLLGKIFRKQEN 60
QY 61 ANAVLLELEDVDVAISPEVQKGVKVIKTPROCTEFLEERLNTLFLEKGGVSCWF 120
DB 61 ANAVLLELEDVDVAISPEVQKGVKVIKTPROCTEFLEERLNTLFLEKGGVSCWF 120
QY 121 PALGCEALSPATVPCISPELLAHLGQAMAAHAPQLLPMRYKLRVFGSAAVPADEESSF 180
DB 121 PALGCEALSPATVPCISPELLAHLGQAMAAHAPQLLPMRYKLRVFGSAAVPADEESSF 180

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Db      121 RALGQALSPATVPCISPELLAHLGQAMAHAPQPLPMRYRLRVFSGSAVPAPPEESF 180
Qy      181 EWLQATEIYKEMP 195
Db      181 EWLQATEIYKEMP 195

RESULT 2
US-09-804-014A-42
; Sequence 42, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; APPLICANT: Shinkete, Richard
; APPLICANT: Spaderma, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 42
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens

Query Match
Best Local Similarity 100.0%; Score 604; DB 10; Length 120;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 LALLEDMCRIMSVDEQKSLMTGTIPADFEAEIOEVLOETLSLGRYLLGKIFRKOENA 61
Db      1 LALLEDMCRIMSVDEQKSLMTGTIPADFEAEIOEVLOETLSLGRYLLGKIFRKOENA 60

Qy      62 NAVLELLEDDTVSAIPSEVQKGVWVYIFKTPNODTEFLERLNLFLKEGQTVSGMR 121
Db      61 NAVLELLEDDTVSAIPSEVQKGVWVYIFKTPNODTEFLERLNLFLKEGQTVSGMR 120

RESULT 3
US-10-037-860-11
; Sequence 11, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Daimau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 283
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-11

Query Match
Best Local Similarity 98.3%; Score 593; DB 13; Length 283;
Matches 113; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      81 VQKGGVWVYIFKTPNODTEFLERLNLFLKEGQTVSGMFPALGQALSPATVPCISPEL 140
Db      1 VQKGGVWVYIFKTPNODTEFLERLNLFLKEGQTVSGMFPALGQGVSPATVPCISPEL 60

Qy      141 LAHLGQAMAHAPQPLPMRYRLRVFSGSAVPAPPEESFEWLQATEIYKEMP 195
Db      61 LAHLGQAMAHAPQPLPMRYRLRVFSGSAVPAPPEESFEWLQATEIYKEMP 115

RESULT 4
US-09-965-529-7
; Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, DYUNG Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: Pr-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc. feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7

Query Match
Best Local Similarity 47.9%; Score 466; DB 9; Length 353;
Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;

Qy      2 LALLEDMCRIMSVDEQKSLMTGTIPADFEAEIOEVLOETLSLGRYLLGKIFRKOENA 61
Db      3 MTLLEDMCRGMDVNSQRLALVWGIFVNCDEAEIETLLQAMPQVS-YMLGRMFWREBNA 61

Qy      62 NAVLELLEDDTVSAIPSEVQKGVWVYIFKTPNODTEFLERLNLFLKEGQTVSGMR 121
Db      62 KAALELTVGAVDYALIPREMPKGVWVLFKPTSDAEFLERLHLFLAREGMVQDVAR 121

Qy      122 ALGQALSPATVPCISPELLAHLGQAMAHAPQPL-PMRYRLRVFSGSAVPAPPEESF 180
Db      122 VLGFQ--NPTPLP--GEMPRMELNLTLDNVITGLVSIWKRRLTSGRDIPTGERTF 177

Qy      181 EWLQATEIYKEMP 194
Db      178 DPMLEHTNEVLLEW 191

RESULT 5
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US-09-969-680A-7
; Sequence 7, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
; APPLICANT: Lai, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDHAN, Olga
; APPLICANT: BOURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Marijah R.; IU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PR-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PR
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7

Query Match          46.8%; Score 466; DB 10; Length 353;
Best Local Similarity 47.9%; Pred. No. 2,9e-38;
Matches 93; Conservative 38; Mismatches 57; Indels 6; Gaps 4;

QY 2 LALLBDMCRIMSVDEOKSLMTVTGTPADFEAEIOEVLQETLSLGRYRLGKIFRKQENA 61
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 3 MTLLEBDCRMGDMVNSQRLVWGIIPVNCDEAEIEETLQAMPOVS-YRMLGRMFREBNA 61
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 62 NAVLLELLEDDTVSAIPSEVOGKGWVKVIFKTPNODTEFLERLNLFLKEGQTVSGMFR 121
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 62 KALLLELTGAVDYAAIPREMPGKGWVKVLFKPTSDAEFLERLHLFLAREGWTVDVAR 121
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 122 ALGOEALSPATVPCISPELLHLGQAMAHAPQPL-PMYRYKLRVFGSAVAPAEESF 180
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 122 VLGFQ--NPTPTP--GPEMPAEMLVYILDNVIOPLVESIWKRLTLFSGRDIPGPEETP 177
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 181 EVMLEQATEIVKEM 194
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 178 DPMLEHTNEVLEEM 191
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 6
US-10-037-860-13
; Sequence 13, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmou
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 463
; TYPE: PR
; ORGANISM: homo sapiens
US-10-037-860-13

```

```

Query Match          46.4%; Score 462.5; DB 13; Length 463;
Best Local Similarity 47.7%; Pred. No. 9,7e-38;
Matches 93; Conservative 34; Mismatches 65; Indels 3; Gaps 2;

QY 1 PLALLBDMCRIMSVDEOKSLMTVTGTPADFEAEIOEVLQETLSLGRYRLGKIFRKQENA 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 2 MTLLEBDCRMGDMVNSQRLVWGIIPVNCDEAEIEETLQAMPOVS-YRMLGRMFREBNA 61
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 61 ANAVLELLEDDTVSAIPSEVOGKGWVKVIFKTPNODTEFLERLNLFLKEGQTVSGMFR 120
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 62 KALLLELTGAVDYAAIPREMPGKGWVKVLFKPTSDAEFLERLHLFLAREGWTVDVAR 121
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 121 RALGOEALSPATVPCISPELLHLGQAMAHAPQPL-PMYRYKLRVFGSAVAPAEESF 179
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 122 RVLGSDTNCASAPRVTSPEFWT--WAQTLGAADVQPLLEQMLVRELAVFGNTISIRGALA 179
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 180 EVMLEQATEIVKEM 194
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 180 DPMLEHTNEVLEEM 194
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 7
US-10-037-860-4
; Sequence 4, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmou
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 329
; TYPE: PR
; ORGANISM: homo sapiens
US-10-037-860-4

Query Match          44.3%; Score 441; DB 13; Length 329;
Best Local Similarity 46.4%; Pred. No. 8,9e-36;
Matches 90; Conservative 37; Mismatches 61; Indels 6; Gaps 4;

QY 2 LALLBDMCRIMSVDEOKSLMTVTGTPADFEAEIOEVLQETLSLGRYRLGKIFRKQENA 61
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 3 MTLLEBDCRMGDMVNSQRLVWGIIPVNCDEAEIEETLQAMPOVS-YRMLGRMFREBNA 61
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 62 NAVLLELLEDDTVSAIPSEVOGKGWVKVIFKTPNODTEFLERLNLFLKEGQTVSGMFR 121
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 62 KALLLELTGAVDYAAIPREMPGKGWVKVLFKPTSDAEFLERLHLFLAREGWTVDVAR 121
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 122 ALGOEALSPATVPCISPELLHLGQAMAHAPQPL-PMYRYKLRVFGSAVAPAEESF 180
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 122 VLGFQ--NPTPTP--GPEMPAEMLVYILDNVIOPLVESIWKRLTLFSGKGRPRAMRGNF 177
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 181 EVMLEQATEIVKEM 194
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 178 DPMLEHTNEVLEEM 191
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 8
US-09-804-014A-40
; Sequence 40, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: Li, Li
; APPLICANT: Padigaru, Muralidhara
US-09-804-014A-40

```

```
APPLICANT: Vernet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Spaderma, Steven
APPLICANT: Majumder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/188,277
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/189,140
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 40
LENGTH: 318
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: VARIANT
LOCATION: (20)
OTHER INFORMATION: wherein Xaa is any amino acid as defined in the
OTHER INFORMATION: specification
US-09-804-014A-40

Query Match          44.2% Score 440; DB 10; Length 318;
Best Local Similarity 46.4%; Pred. No. 1,1e-35;
Matches 90; Conservative 36; Mismatches 62; Indels 6; Gaps 4;

QY 2 LALLEDMCRIMSVDEOKSLMTGIPADFEAEIOEVLQETLKSIGRYRLGKIFRKOENA 61
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 3 MTLLEDWCRGMDVNSGRXLLVMGIPVNCDEAIEETLQAMPOVS-YRMIGRMFMREENA 61
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 62 NAVLLELEDTDVSAIPSEVQGGVWKVIFKTPNDTEFLERLNFLEKSGQTVSGMR 121
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 62 KAALLBRTGAVDYAAIPREMPGGVWKVLFKPTSDAEFLERLHFLAREGTVQDVAR 121
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 122 ALGQELSPATVPCISPELLHLHGQAMAHAPQPLP-MRYRKLRFVSGSAVAPAEESF 180
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 122 VLQFO-NPTPTP--GPEMAEMLNITLDNVIOPLVESIWKSLTLPFGKGFRAWRGNF 177
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 181 EVMLEQATEIVKEM 194
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 178 DPMLEHTNEVLEEM 191
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 9
US-09-804-014A-73
Sequence 73, Application US/09804014A
Publication No. US20030064489A1
GENERAL INFORMATION:
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
APPLICANT: Vernet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Spaderma, Steven
APPLICANT: Majumder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR FILING DATE: 2000-03-10
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PRIOR APPLICATION NUMBER: 60/188,277
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/189,140
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 73
LENGTH: 312
TYPE: PRT
ORGANISM: Homo sapiens
US-09-804-014A-73

Query Match          43.8% Score 436; DB 10; Length 312;
Best Local Similarity 46.9%; Pred. No. 2.6e-35;
Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLEDMCRIMSVDEOKSLMTGIPADFEAEIOEVLQETLKSIGRYRLGKIFRKOENA 61
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 3 LRLLEDWCRGMDMNRKALLINGISQSCVAIEEALQAGLAPLGEYRLGMRFRADNR 62
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 62 NAVLLELEDTDVSAIPSEVQGGVWKVIFKTPNDTEFLERLNFLEKSGQTVSGMR 121
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 63 KVALVGLTAETSHALVLPKEIPGKGIMRWIFKPPDPDNTFSLRLEFLAGEGTVGELSR 122
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 122 ALGQELSPATVPCISPELLHLHGQAMAHAPQPLP-MRYRKLRFVSGSAVAPAEESF 180
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 123 ALGHENGSLDPEQGIPEEMAPMLAQL-EALQPLQCLTKLKVVFSGRSPFGESEEF 181
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 181 EVMLEQATEIVKEM 194
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 182 GRMFMHTTQMIAW 195
   ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 10
US-09-804-014A-74
Sequence 74, Application US/09804014A
Publication No. US20030064489A1
GENERAL INFORMATION:
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
APPLICANT: Vernet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Shimkets, Richard
APPLICANT: Spaderma, Steven
APPLICANT: Majumder, Kumud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/188,277
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/189,140
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 74
LENGTH: 312
TYPE: PRT
ORGANISM: Homo sapiens
```

US-09-804-014A-74

Query Match 43.8%; Score 436; DB 10; Length 312;
 Best Local Similarity 46.9%; Pred. No. 2,6e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLIEDWCRMSVDEQKSLMTVTGIPADFEBAEIOEVLQETLSLGRYRLGKIFRKOENA 61
 DB 3 LRLLEDWCRGMDNPRKALLIAGISQSCVAIEEALQAGLAPLGEYRLGMRFRDENDR 62
 QY 62 NAVLELEEDTDVAIPSEVOGKGWVKVIFKTPNDTEFLERLNFLEKGGTVSGMFR 121
 DB 63 KVALVGLTAETSHALVPKEIPGKGIMRVIFKPPDPDNTFLSLNFEFLAGGWTGELSR 122
 QY 122 ALGOEALSPATVPCISPELLAHLGQAMAHAPOLLP-MRYRKLRFVSGSAVPAPEESF 180
 DB 123 ALGHENGLDPEQGMIPENMAFMLAQL-EALQPALQCLKXKLRVFSGRESPEPEEER 181
 QY 181 EWLBOATEIVKEM 194
 DB 182 GRWVFHTTOMIKAW 195

RESULT 11
 US-09-804-014A-39

; Sequence 39, Application US/09804014A
 ; Publication No. US20030064489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Verneet, Corine
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Shimkets, Richard
 ; APPLICANT: Spaderna, Steven
 ; APPLICANT: Majumder, Kumud
 ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 15966-721 US
 ; CURRENT APPLICATION NUMBER: US/09/804, 014A
 ; PRIOR FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: 60/188,316
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/188,277
 ; PRIOR FILING DATE: 2000-03-10
 ; PRIOR APPLICATION NUMBER: 60/189,139
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/189,140
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: 60/190,401
 ; PRIOR FILING DATE: 2000-03-17
 ; PRIOR APPLICATION NUMBER: 60/190,231
 ; NUMBER OF SEQ ID NOS: 75
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 39
 ; LENGTH: 1321
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-804-014A-39

Query Match 43.8%; Score 436; DB 10; Length 321;
 Best Local Similarity 46.9%; Pred. No. 2,7e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLIEDWCRMSVDEQKSLMTVTGIPADFEBAEIOEVLQETLSLGRYRLGKIFRKOENA 61
 DB 3 LRLLEDWCRGMDNPRKALLIAGISQSCVAIEEALQAGLAPLGEYRLGMRFRDENDR 62
 QY 62 NAVLELEEDTDVAIPSEVOGKGWVKVIFKTPNDTEFLERLNFLEKGGTVSGMFR 121
 DB 63 KVALVGLTAETSHALVPKEIPGKGIMRVIFKPPDPDNTFLSLNFEFLAGGWTGELSR 122
 QY 122 ALGOEALSPATVPCISPELLAHLGQAMAHAPOLLP-MRYRKLRFVSGSAVPAPEESF 180

DB 123 ALGHENGLDPEQGMIPENMAFMLAQL-EALQPALQCLKXKLRVFSGRESPEPEEER 181
 QY 181 EWLBOATEIVKEM 194
 DB 182 GRWVFHTTOMIKAW 195

RESULT 12
 US-09-965-529-1

; Sequence 1, Application US/09965529
 ; Publication No. US20020182671A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LAL, Preeti
 ; APPLICANT: YUE, Henry
 ; APPLICANT: TANG, Y. Tom
 ; APPLICANT: BANDMAN, Olga
 ; APPLICANT: BURFORD, Neil
 ; APPLICANT: AZIMZAI, Yajda
 ; APPLICANT: BAUGHN, Mariah R.
 ; APPLICANT: LU, Dying Aina M.
 ; APPLICANT: PATTERSON, Chandra
 ; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 ; FILE REFERENCE: PR-0731 USA
 ; CURRENT APPLICATION NUMBER: US/09/965,529
 ; CURRENT FILING DATE: 2001-09-26
 ; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
 ; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
 ; NUMBER OF SEQ ID NOS: 74
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 1
 ; LENGTH: 351
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
 ; US-09-965-529-1

Query Match 43.8%; Score 436; DB 9; Length 351;
 Best Local Similarity 46.9%; Pred. No. 3,1e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLIEDWCRMSVDEQKSLMTVTGIPADFEBAEIOEVLQETLSLGRYRLGKIFRKOENA 61
 DB 3 LRLLEDWCRGMDNPRKALLIAGISQSCVAIEEALQAGLAPLGEYRLGMRFRDENDR 62
 QY 62 NAVLELEEDTDVAIPSEVOGKGWVKVIFKTPNDTEFLERLNFLEKGGTVSGMFR 121
 DB 63 KVALVGLTAETSHALVPKEIPGKGIMRVIFKPPDPDNTFLSLNFEFLAGGWTGELSR 122
 QY 122 ALGOEALSPATVPCISPELLAHLGQAMAHAPOLLP-MRYRKLRFVSGSAVPAPEESF 180
 DB 123 ALGHENGLDPEQGMIPENMAFMLAQL-EALQPALQCLKXKLRVFSGRESPEPEEER 181
 QY 181 EWLBOATEIVKEM 194
 DB 182 GRWVFHTTOMIKAW 195

RESULT 13

US-09-804-014A-16
 ; Sequence 16, Application US/09804014A
 ; Publication No. US20030064489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Li
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Verneet, Corine
 ; APPLICANT: Fernandes, Elma
 ; APPLICANT: Shimkets, Richard
 ; APPLICANT: Spaderna, Steven
 ; APPLICANT: Majumder, Kumud
 ; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 15966-721 US

CURRENT APPLICATION NUMBER: US/09/804,014A
 CURRENT FILING DATE: 2002-04-24
 PRIOR APPLICATION NUMBER: 60/188,316
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/188,277
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 60/189,139
 PRIOR FILING DATE: 2000-03-14
 PRIOR APPLICATION NUMBER: 60/189,140
 PRIOR FILING DATE: 2000-03-14
 PRIOR APPLICATION NUMBER: 60/190,401
 PRIOR FILING DATE: 2000-03-17
 PRIOR APPLICATION NUMBER: 60/190,231
 PRIOR FILING DATE: 2000-03-17
 NUMBER OF SEQ ID NOS: 75
 SOFTWARE: Patent In Ver. 2.1
 SEQ ID NO 16
 LENGTH: 351
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-804-014A-16

Query Match 43.8%; Score 436; DB 10; Length 351;
 Best Local Similarity 46.9%; Pred. No. 3,1e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLIEDMCRIMSVDEOKSLMTGTIPADPEAEIOEVLOETLKSIGRYRLGKIFRKQENA 61
 DB 3 LRLLEDRCRGMNDMPKRLIAGISQCSVAIEEALQAGIAPLGEYRLGRRFRDNR 62
 QY 62 NAVLLELLEDDTDSAIPSEVOGKGVKVIKFTPNODEFLERLNLFLKEGQTVSGMFR 121
 DB 63 KVALVGLTAETSHALVKEIPKGGIWRVIFKPPDPNTLSRLNEFLAGEGTVGELSR 122
 QY 122 ALGGEALSPATVPCISPELLAHLGQMAHAPOPPLP-MRKRKLRFVSGSAVPAPEESF 180
 DB 123 ALGHENGLDPEQGMIPKMAAPMLAQL-ELAPALQCLTKYKRLRVFSGRESPEGESEF 181
 QY 181 EWMLEQATEIVKEM 194
 DB 182 GRMWFHTTOMIKAW 195

RESULT 14
 US-09-969-680A-1

Sequence 1, Application US/09969680A
 Publication No. US20030124649A1

GENERAL INFORMATION:

APPLICANT: LAL, Preeti; YUE, Henry
 APPLICANT: TANG, Y. Tom; BANDMAN, Olga
 APPLICANT: BURGARD, Neil; AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.; LU, Dying Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PF-0731-1 USA
 CURRENT APPLICATION NUMBER: US/09/969,680A
 CURRENT FILING DATE: 2001-10-02
 PRIOR APPLICATION NUMBER: US00/22315
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/149,641
 PRIOR FILING DATE: 1999-08-17
 PRIOR APPLICATION NUMBER: 60/164,203
 PRIOR FILING DATE: 1999-11-09
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: PERL Program
 SEQ ID NO 1
 LENGTH: 351
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
 US-09-969-680A-1

Query Match 43.8%; Score 436; DB 10; Length 351;
 Best Local Similarity 46.9%; Pred. No. 3,1e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLIEDMCRIMSVDEOKSLMTGTIPADPEAEIOEVLOETLKSIGRYRLGKIFRKQENA 61
 DB 3 LRLLEDRCRGMNDMPKRLIAGISQCSVAIEEALQAGIAPLGEYRLGRRFRDNR 62
 QY 62 NAVLLELLEDDTDSAIPSEVOGKGVKVIKFTPNODEFLERLNLFLKEGQTVSGMFR 121
 DB 63 KVALVGLTAETSHALVKEIPKGGIWRVIFKPPDPNTLSRLNEFLAGEGTVGELSR 122
 QY 122 ALGGEALSPATVPCISPELLAHLGQMAHAPOPPLP-MRKRKLRFVSGSAVPAPEESF 180
 DB 123 ALGHENGLDPEQGMIPKMAAPMLAQL-ELAPALQCLTKYKRLRVFSGRESPEGESEF 181
 QY 181 EWMLEQATEIVKEM 194
 DB 182 GRMWFHTTOMIKAW 195

RESULT 15

US-10-341-434-10
 Sequence 10, Application US/10341434
 Publication No. US20030215835A1

GENERAL INFORMATION:

APPLICANT: Origene Technologies
 TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
 FILE REFERENCE: 9U 204 205 R1
 CURRENT APPLICATION NUMBER: US/10/341,434
 CURRENT FILING DATE: 2003-07-18
 PRIOR APPLICATION NUMBER: US 60/348,164
 PRIOR FILING DATE: 2002-01-15
 PRIOR APPLICATION NUMBER: US 60/348,119
 PRIOR FILING DATE: 2002-01-15
 NUMBER OF SEQ ID NOS: 238
 SOFTWARE: Patent In version 3.1
 SEQ ID NO 10
 LENGTH: 351
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-341-434-10

Query Match 43.8%; Score 436; DB 15; Length 351;
 Best Local Similarity 46.9%; Pred. No. 3,1e-35;
 Matches 91; Conservative 30; Mismatches 71; Indels 2; Gaps 2;

QY 2 LALLIEDMCRIMSVDEOKSLMTGTIPADPEAEIOEVLOETLKSIGRYRLGKIFRKQENA 61
 DB 3 LRLLEDRCRGMNDMPKRLIAGISQCSVAIEEALQAGIAPLGEYRLGRRFRDNR 62
 QY 62 NAVLLELLEDDTDSAIPSEVOGKGVKVIKFTPNODEFLERLNLFLKEGQTVSGMFR 121
 DB 63 KVALVGLTAETSHALVKEIPKGGIWRVIFKPPDPNTLSRLNEFLAGEGTVGELSR 122
 QY 122 ALGGEALSPATVPCISPELLAHLGQMAHAPOPPLP-MRKRKLRFVSGSAVPAPEESF 180
 DB 123 ALGHENGLDPEQGMIPKMAAPMLAQL-ELAPALQCLTKYKRLRVFSGRESPEGESEF 181
 QY 181 EWMLEQATEIVKEM 194
 DB 182 GRMWFHTTOMIKAW 195

Search completed: April 8, 2005, 13:35:13
 Job time : 44.5624 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 8, 2005, 11:48:54 ; Search time 11.4454 Seconds
(without alignments)
971.808 Million cell updates/sec

Title: US-10-037-860-9
Perfect score: 766
Sequence: 1 DLMHIVQANDPSISVECLE.....SIEPERRDYGRWNEGDD 149

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/prodata/1/aa/5A-COMB.pep.*
2: /cgn2_6/prodata/1/aa/5B-COMB.pep.*
3: /cgn2_6/prodata/1/aa/6A-COMB.pep.*
4: /cgn2_6/prodata/1/aa/6B-COMB.pep.*
5: /cgn2_6/prodata/1/aa/PCITUS-COMB.pep.*
6: /cgn2_6/prodata/1/aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	323	42.2	462	3	US-09-189-527-13
2	256.5	33.5	329	3	US-09-189-527-4
3	94.5	12.3	577	4	US-09-949-016-10835
4	89.5	11.7	800	4	US-09-555-790A-2
5	89.5	11.7	800	4	US-09-202-047A-2
6	87	11.4	545	4	US-09-908-988B-4
7	84.5	11.0	1307	4	US-09-949-016-7561
8	81.5	10.6	1898	1	US-08-056-200-94
9	81.5	10.6	1898	2	US-08-800-644-94
10	81.5	10.6	1898	4	US-09-538-092-1280
11	80.5	10.5	531	4	US-09-248-796A-20235
12	80	10.4	568	4	US-09-949-016-10896
13	80	10.4	587	4	US-09-538-092-1130
14	80	10.4	825	3	US-09-540-824-26
15	77.5	10.1	620	4	US-09-538-092-1285
16	77	10.1	237	2	US-08-469-537A-85
17	77	10.1	370	2	US-08-857-076-107
18	77	10.1	661	4	US-09-107-532A-3677
19	77	10.1	1367	2	US-08-249-687C-2
20	77	10.1	1367	2	US-08-625-819-2
21	77	10.1	1367	3	US-08-746-559A-2
22	77	10.1	1367	3	US-08-864-641B-18
23	77	10.1	1367	4	US-09-343-551-2
24	77	10.1	1367	4	US-09-949-001-18
25	77	10.1	1377	4	US-09-949-001-21
26	76	9.9	754	4	US-09-585-173B-51
27	75.5	9.9	503	4	US-09-270-767-45438

28	75.5	9.9	591	4	US-09-198-452A-806	Sequence 806, App
29	75.5	9.9	596	4	US-09-438-185A-758	Sequence 758, App
30	75	9.8	571	4	US-09-489-030A-10805	Sequence 10805, A
31	75	9.8	704	4	US-09-370-838-191	Sequence 191, App
32	75	9.8	704	4	US-09-854-133-191	Sequence 191, App
33	75	9.8	725	4	US-09-902-540-13698	Sequence 13698, A
34	75	9.8	1197	4	US-09-618-425-2	Sequence 2, App1
35	75	9.8	1976	4	US-09-538-092-1078	Sequence 1078, App
36	74	9.7	217	1	US-08-185-424B-2	Sequence 2, App1
37	74	9.7	322	4	US-09-540-236-2700	Sequence 2700, App
38	74	9.7	420	3	US-09-329-418-8	Sequence 8, App1
39	74	9.7	420	3	US-09-531-914-8	Sequence 8, App1
40	74	9.7	497	4	US-09-345-473E-8	Sequence 8, App1
41	74	9.7	518	3	US-09-329-418-3	Sequence 3, App1
42	74	9.7	518	3	US-09-329-418-4	Sequence 4, App1
43	74	9.7	518	3	US-09-329-418-5	Sequence 5, App1
44	74	9.7	518	3	US-09-329-418-9	Sequence 9, App1
45	74	9.7	518	3	US-09-531-914-3	Sequence 3, App1

ALIGNMENTS

```

RESULT 1
US-09-189-527-13
; Sequence 13, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A
; CURRENT FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 462
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-189-527-13

Query Match      42.2%; Score 323; DB 3; Length 462;
Best Local Similarity 52.7%; Pred. No. 4, 1e-29;
Matches 68; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

QY      6  VQANDPSISVECLEAFKQVFGSLERRTAQRVRLKPYDEBGRKVSAYTLRLTLLRAV 65
      214 LRSASNSIIVEECTALQVFGVESHKIAQVLCAYBAGKVSFVLRLEPILQRAV 273
      66 EKXAIRRIADQVRLQWAGATLQMLMCRRLKDOGPPSPFLFLMKVIREEBEAS 125
      274 ENNVSRKRNQRLKRLKVALSGATLPPKLDKLMQORRKPFFLLVTLREBEEMAT 333
      126 F--ENESIE 132
      334 LSPDRSLE 342
      Db

RESULT 2
US-09-189-527-4
; Sequence 4, Application US/09189527A
; Patent No. 6387639
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmau
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
; FILE REFERENCE: SLK98-01
; CURRENT APPLICATION NUMBER: US/09/189,527A

```

;; CURRENT FILING DATE: 1998-11-10
;; NUMBER OF SEQ ID NOS: 14
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 4
;; LENGTH: 329
;; TYPE: PRT
;; ORGANISM: homo sapiens
US-09-189-527-4

Query Match 33.5%; Score 256.5; DB 3; Length 329;
Best Local Similarity 46.6%; Pred. No. 1.5e-21;
Matches 54; Conservative 23; Mismatches 30; Indels 7; Gaps 2;

QY 1 DLNHIYQADNPISVVECEAFKQVFGSLERRTAQVRYLKPYOEGEKVSAYVLRLETL 60
DB 212 DVIRILSNPPIITTBACLOLEQVFGSVSSSDAOIKFLNTYQNGEKLSAIVIRLEPL 271

QY 61 LRAVRAKRAIPRIADQVRLEQVMAGA---TLNQMLCRLRLKQGPSPSFLLEL 112
DB 272 LQKVEKGALDKQNVNQARLEQVIAGANHGAIIRQLML---TGAGSGPQPKPLSV 324

RESULT 3
US-09-949-016-10835
;; Sequence 10835, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTNER, J. Craig et al.
;; TITLE OF INVENTION: POLYMERISMS IN KNOWN GENES ASSOCIATED
;; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 10835
;; LENGTH: 577
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-10835

Query Match 12.3%; Score 94.5; DB 4; Length 577;
Best Local Similarity 23.5%; Pred. No. 0.03;
Matches 36; Conservative 23; Mismatches 53; Indels 35; Gaps 5;

QY 4 HIYQADNPISVVECEAFKQVFGSLERRTAQVRYLKPYOEGEKVS-----A 52
DB 332 HIYMDNDNSCKEKEIKIYIFRFSKR-----RECKQSLHETLTINAAQ 380

QY 53 YVLETLTLRAVRAKRAIPRIADQVRLEQVMAGATLN---QMLWCRLRLKQD----- 102
DB 381 FQKMDNTLLRVRLEFSLSRQVAVESYTLSSLKSGRLHPRLGPGPKLKKQVGEQSHP 440

QY 103 --QGPSPSFLLEKVIREE--FEESASFENESIE 132
DB 441 EIQPPPGPSPSYVPYRPSLEDSASLSGSLD 473

RESULT 4
US-09-555-790A-2
;; Sequence 2, Application US/09555790A
;; Patent No. 6555652
;; GENERAL INFORMATION:
;; APPLICANT: ITOH, KYOGO et al.
;; TITLE OF INVENTION: TUMOR ANTIGEN PEPTIDE DERIVATIVES
;; FILE REFERENCE: 0020-4716D
;; CURRENT APPLICATION NUMBER: US/09/555,790A

;; CURRENT FILING DATE: 2000-07-12
;; NUMBER OF SEQ ID NOS: 9
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 2
;; LENGTH: 800
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-555-790A-2

Query Match 11.7%; Score 89.5; DB 4; Length 800;
Best Local Similarity 25.3%; Pred. No. 0.18;
Matches 37; Conservative 25; Mismatches 51; Indels 33; Gaps 6;

QY 5 IYQADNPISVVECEAFKQVFGSLERRTAQVRYLKPYOEGEKVSAYVLRLETLRRA 64
DB 489 VLEEDAELELQKLE-----KGRRLRQLQQLQURDSGEKVEIVKKLESRGQW 539

QY 65 VEKRAIPRIADQVRLEQVMAGATLNQMLMCR-LRELKQGPSPSFLLEKVIREEEER 123
DB 540 EEDE-----DPERKGAIVFNATSE---FCRTLGEIPTYG-----LAGNREEQEL 581

QY 124 ASPENESIEPERDQYGRMNEGDD 149
DB 582 MDERD-----BERSANGSESDEE 602

RESULT 5
US-09-202-047A-2
;; Sequence 2, Application US/09202047A
;; Patent No. 6815531
;; GENERAL INFORMATION:
;; APPLICANT: ITOH, KYOGO
;; APPLICANT: SHICHIO, Shigeki
;; APPLICANT: IMAI, Yasuhisa
;; TITLE OF INVENTION: TUMOR ANTIGEN PROTEINS, GENES THEREFOR, AND TUMOR
;; TITLE OF INVENTION: ANTIGEN PEPTIDES
;; FILE REFERENCE: 0020-4491P
;; CURRENT APPLICATION NUMBER: US/09/202,047A
;; CURRENT FILING DATE: 1998-12-07
;; NUMBER OF SEQ ID NOS: 2
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 2
;; LENGTH: 800
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-202-047A-2

Query Match 11.7%; Score 89.5; DB 4; Length 800;
Best Local Similarity 25.3%; Pred. No. 0.18;
Matches 37; Conservative 25; Mismatches 51; Indels 33; Gaps 6;

QY 5 IYQADNPISVVECEAFKQVFGSLERRTAQVRYLKPYOEGEKVSAYVLRLETLRRA 64
DB 489 VLEEDAELELQKLE-----KGRRLRQLQQLQURDSGEKVEIVKKLESRGQW 539

QY 65 VEKRAIPRIADQVRLEQVMAGATLNQMLMCR-LRELKQGPSPSFLLEKVIREEEER 123
DB 540 EEDE-----DPERKGAIVFNATSE---FCRTLGEIPTYG-----LAGNREEQEL 581

QY 124 ASPENESIEPERDQYGRMNEGDD 149
DB 582 MDERD-----BERSANGSESDEE 602

RESULT 6
US-09-908-988B-4
;; Sequence 4, Application US/09908988B
;; Patent No. 6740751
;; GENERAL INFORMATION:
;; APPLICANT: OLSON, ERIC
;; APPLICANT: SPENCER, JEFFREY A.
;; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STABILIZING MICROTUBULES
;; TITLE OF INVENTION: IN STRIATED MUSCLE CELLS

FILE REFERENCE: MYOG:028US
CURRENT APPLICATION NUMBER: US/09/908,988B
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: 60/219,020
PRIOR FILING DATE: 2000-07-18
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 545
TYPE: PRT
ORGANISM: Mus musculus
US-09-908-988B-4

Query Match 11.4%; Score 87; DB 4; Length 545;
Best Local Similarity 25.0%; Pred. No. 0.21;
Matches 44; Conservative 23; Mismatches 49; Indels 60; Gaps 8;

QY 5 IVQADNPISIVSEC-----LEAFKQVFGSLESRRYKQVYKPYOEG----- 47
DB 190 ISQLEDTCKTIEECCKKQKODLCEKPDHLYGLEERKTEMTQAITRQEKLEHVFTLIR 249
QY 48 -----EKYS-----AYVLRLETLRAVREKRAIPRIADQVRLQO--- 82
DB 250 KTSDHLENVSKVESGIQFDEPEMAVFLQNAKTLLOKIVE---ASKAPQMEKLEQGYE 305
QY 83 VMAGATLNQMLWCRLELKDQGPFPFLELMKVIREEEESASFENESIEEPEERD 138
DB 306 INSNFTVNLN-----REK-----ITREIDSRREEEEDAGEID--EEEGED 347

RESULT 7
US-09-949-016-7561
Sequence 7561, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7561
LENGTH: 1307
TYPE: PRT
ORGANISM: Human
US-09-949-016-7561

Query Match 11.0%; Score 84.5; DB 4; Length 1307;
Best Local Similarity 19.0%; Pred. No. 1.4;
Matches 39; Conservative 25; Mismatches 56; Indels 85; Gaps 6;

QY 16 EECLEAFKQVFGSLESRRYKQVYKPYOEGEKVSAVY----- 54
DB 880 EEOQMTWKAVLEKEKDLANTGKMDLOEENESLKAHVQEVQHNLIKENSASQPEELE 939
QY 55 -----LRLETLRAVREKRAIPRIADQVRLQWAGATLNQMLWCRLELKDQ 104
DB 940 IYLKEKENELKRELEAMLEKESLSKTKQLDQVDE-----NKLFRSQLEQLKQON 991
QY 105 -----PPPSFLELMKVIREEEESASFENE-----SIEEPEERD----- 138
DB 992 YQOASSPPHE--ELKQVIEREKESLGLWNEIDSLKDAVEHQKKNRQOQVEAVELE 1049
QY 139 -----GYGRWNH 145

DB 1050 AKEVILKULFPKXVPSNLSYGEWLH 1074

RESULT 8
US-08-056-200-94
Sequence 94, Application US/08056200
Patent No. 5616500
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,200
FILING DATE: 30-APR-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Pedrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054,001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NOS: 94:
SEQUENCE CHARACTERISTICS:
LENGTH: 1898 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Protein
US-08-056-200-94

Query Match 10.6%; Score 81.5; DB 1; Length 1898;
Best Local Similarity 28.9%; Pred. No. 5.4;
Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4;

QY 20 EAFKQVFGSLESRRYKQVYKPYOEGEKVSAVYLRLETLRAVREKRAIPRIAD 76
DB 563 ERLQDLKREBEKRLQERREORLKRQDE-----RQDLKREBEKRLKQDE 613
QY 77 QVRLQWAGATLNQMLWCRLELKDQGPFPFLELMKVIREEEESASFENESIEEPEE 136
DB 614 EERLQDLKREBEKRLQERREORLKRQDE-----RQDLKREBEKRLKQDE 660
QY 137 R 137
DB 661 R 661
RESULT 9
US-08-800-644-94
Sequence 94, Application US/08800644
Patent No. 5958752
GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il

```

1  APPLICATOR: Park, Sang-Chul.
2  TITLE OF INVENTION: Trichothyalin and Transglutaminase-3 and
3  TITLE OF INVENTION: Methods of Using Same
4  NUMBER OF SEQUENCES: 117
5  CORRESPONDENCE ADDRESS:
6  ADDRESSEE: Knobbe, Martens, Olson & Bear
7  STREET: 620 Newport Center Drive, Sixteenth Floor
8  CITY: Newport Beach
9  STATE: CA
10 COUNTRY: U.S.A.
11 ZIP: 92660
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: IBM PC compatible
14 OPERATING SYSTEM: PC-DOS/MS-DOS
15 SOFTWARE: Patent in Release #1.0, Version #1.25
16 CURRENT APPLICATION DATA:
17 APPLICATION NUMBER: US/08/800,644
18 FILING DATE: 14-FEB-1997
19 CLASSIFICATION: 424
20 PRIOR APPLICATION DATA:
21 APPLICATION NUMBER: US 08/056,200
22 FILING DATE: 30-APR-1993
23 ATTORNEY/AGENT INFORMATION:
24 NAME: Fedrick, Michael F.
25 REGISTRATION NUMBER: 36,799
26 REFERENCE/DOCKET NUMBER: NIH054,001A
27 TELECOMMUNICATION INFORMATION:
28 TELEPHONE: (714) 760-0404
29 TELEFAX: (714) 760-9502
30 INFORMATION FOR SEQ ID NO: 94:
31 SEQUENCE CHARACTERISTICS:
32 LENGTH: 1898 amino acids
33 TYPE: amino acid
34 TOPOLOGY: linear
35 MOLECULE TYPE: protein
36 US-08-800-644-94
37
38 Query Match 10.6% Score 81.5; DB 2; Length 1898;
39 Best Local Similarity 28.9%; Pred. No. 5.4;
40 Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4
41
42 QY 20 EAFKQVFGSLSSRRTAQV--YLYKPYDGEKVSAYVLRLETLIRPAVEKRALPRIAD 76
43 Db 563 ERLEQQLKKEEERKLEQERPEORLKRQEB-----RRDQLKKEEERROORLKRQ 613
44 QY 77 QVLEQVGMGATLNGMLNCRLELNDQGGPPSEFLMKVIREEESEASFNSEIEEPE 136
45 Db 614 EERLEQRLKREEVERL--EQEERDE-----RLKKEEPEERRHLLKSEQEE 660
46 QY 137 R 137
47 Db 661 R 661
48
49 RESULT 10
50 US-09-538-092-1280
51 Sequence 1280, Application US/09538092
52 Patent No. 6753314
53 GENERAL INFORMATION:
54 APPLICANT: Glot, Loic
55 APPLICANT: Mansfield, Traci A.
56 TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
57 FILE REFERENCE: 15966-542
58 CURRENT APPLICATION NUMBER: US/09/538,092
59 CURRENT FILING DATE: 2000-03-29
60 PRIOR APPLICATION NUMBER: 60/127,352
61 PRIOR FILING DATE: 1999-04-01
62 PRIOR APPLICATION NUMBER: 60/178,965
63 PRIOR FILING DATE: 2000-02-01
64 NUMBER OF SEQ ID NOS: 187
65 SOFTWARE: CuraPatsEqFormatted Version 0.9
66 SEQ ID NO 1280

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; LENGTH: 1898
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number Q07283
US-09-538-092-1280

Query Match      10.6%; Score 81.5; DB 4; Length 1898;
Best Local Similarity 28.9%; Pred. No. 5.4;
Matches 35; Conservative 16; Mismatches 45; Indels 25; Gaps 4;

QY    EAPKQVPSLSRPTAQR---YLKPVEEGEKVSAYVLPLETLRLRAVKRAIPRRAD 76
      |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB     ERLEDLKRBEERKLQERRRQRLKREOE-----RDDQLKREERROQLKREQ 613
QY    QVRLEQVMAGATLQMIMCRLRELKDGPSPFLMKVIRIEEESAFENESIPEPDE 136
      |||||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB     614 ERLEEQRLKREEVERLT--EQERRDE-----RLKREEPSEERRHLLKSQOE 660

QY    137 R 137
DB     661 R 661

RESULT 11
US-09-248-796A-20235
; Sequence 20235, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Kelch Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
; FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 20235
LENGTH: 531
TYPE: PRT
ORGANISM: Candida albicans
US-09-248-796A-20235

Query Match      10.5%; Score 80.5; DB 4; Length 531;
Best Local Similarity 23.9%; Pred. No. 1.1;
Matches 27; Conservative 21; Mismatches 34; Indels 31; Gaps 4;

QY    RLETLRLRAVKRAIPRRADQVRLEQVMAGATLQMIMCRLRELKDGPSPF----- 109
      |||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB     15 RTTRMRGRIKKAAAKRKDKIAXK-----DVTM-KSRSKDGIPASFYKOKI 65
QY    110 -----LELMKVIREEEEFASFNESIEEPEDRGGRWNRHD 148
      ::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB     66 ITELEGRIKERREOLKIQQEORPALARGEIVEDDEDDDQ--EEGD 116

RESULT 12
US-09-949-016-10896
; Sequence 10896, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C0001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755

```

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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10896
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-10896

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Query Match      10.4%; Score 80; DB 4; Length 568;
Best Local Similarity 26.6%; Pred. No. 1.4;
Matches 37; Conservative 22; Mismatches 60; Indels 20; Gaps 5;

```

```

Qy 12 SISVECLAFKQV---FGSLERRTAQVRYLKPYOEGEKVSAYVLRLETLRRAYEK 67
Db 297 AVAAEETLKTROVEVINFGDCLVRSKGAVALADAIRGSLPKELNLSFCEIKRDAA-- 354
Qy 68 RAIRRIADQVRLQV--MAGATLNMCMCRLEKDGPPPSFLEMKVIR-----EE 119
Db 355 LAVAMADKALELTDINGNTLGECEGCEQLQEVLEG-----FNMAKVLASLSDDEDEE 408
Qy 120 EEEESFENESIEEPEERD 138
Db 409 EEEGEEEEEAEPEERD 427

```

```

RESULT 13
US-09-538-092-1130
; Sequence 1130, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Gluc, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurataseqFormatter; Version 0.9
; SEQ ID NO 1130
; LENGTH: 587
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number P46060
; US-09-538-092-1130

```

```

Query Match      10.4%; Score 80; DB 4; Length 587;
Best Local Similarity 26.6%; Pred. No. 1.5;
Matches 37; Conservative 22; Mismatches 60; Indels 20; Gaps 5;

```

```

Qy 12 SISVECLAFKQV---FGSLERRTAQVRYLKPYOEGEKVSAYVLRLETLRRAYEK 67
Db 293 AVAAEETLKTROVEVINFGDCLVRSKGAVALADAIRGSLPKELNLSFCEIKRDAA-- 310
Qy 68 RAIRRIADQVRLQV--MAGATLNMCMCRLEKDGPPPSFLEMKVIR-----EE 119
Db 311 LAVAMADKALELTDINGNTLGECEGCEQLQEVLEG-----FNMAKVLASLSDDEDEE 364
Qy 120 EEEESFENESIEEPEERD 138
Db 365 EEEGEEEEEAEPEERD 383

```

```

RESULT 14
US-09-540-824-26
; Sequence 26, Application US/09540824
; Patent No. 6383753
; GENERAL INFORMATION:
; APPLICANT: Thiele, Dennis
; APPLICANT: Liu, Philip
; TITLE OF INVENTION: No. 6383753el Yeast and Mammalian Regulators of Cell Prolifer
; FILE REFERENCE: UM-04266
; CURRENT APPLICATION NUMBER: US/09/540,824
; CURRENT FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 825
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
; US-09-540-824-26

```

```

Query Match      10.4%; Score 80; DB 3; Length 825;
Best Local Similarity 25.8%; Pred. No. 2.4;
Matches 33; Conservative 25; Mismatches 32; Indels 38; Gaps 8;

```

```

Qy 30 ESRRTAQVRYLKPYOEGEKVSAYVLRLETLRRAY-EKRAIP-RIADQVRLQVMAGA 87
Db 253 KASRKSGIKTQRPDISGD-----ARYDSFVEMVFDKKAHPTEKTEEEELAQIEAD- 305
Qy 88 TLNMCMCRLEKDGPPPSFLEMKVIR-EEESFENESIEEPEERD---GYGR- 142
Db 306 -----RURELDQ-----RISMEHYQESASAGSIEDQATDNVFGFGK 347
Qy 143 -----WN 144
Db 348 QENEEMWN 355

```

```

RESULT 15
US-09-538-092-1285
; Sequence 1285, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Gluc, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CurataseqFormatter Version 0.9
; SEQ ID NO 1285
; LENGTH: 620
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Polypeptide Accession Number Q08379
; US-09-538-092-1285

```

```

Query Match      10.1%; Score 77.5; DB 4; Length 620;
Best Local Similarity 25.0%; Pred. No. 3.2;
Matches 35; Conservative 26; Mismatches 48; Indels 31; Gaps 5;

```

```

Qy 15 VEECLAFKQVFGSLERRTAQVRYLKPYOEGEKVSAY-----VLRLETLRRAY- 65
Db 212 LKETVELKSQEAQSLOQQRQVYLGHLQY-----VAAVQQLTSEKVELHNLQLQTQLV 265
Qy 66 -----EKRAIRRIADQV-----LEQVMAGATLNMCMCRLEKDGPPPSFLEMKVIR 115

```

Db 266 DOLQOQOEACQKAVAEWARGELQETOBRLEATQONQOLRAQLSLMAHPG-----EGDGL 319

Qy 116 IREEEEESPENESIERPE 135

Db 320 DREBBDEEEEEEAAVAPQ 339

Search completed: April 8, 2005, 12:52:55
Job time: 11.4454 secg

Fri Apr 8 14:12:56 2005

us-10-037-860-9.rapb

Page 1

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OM protein - protein search, using sw model

Run on: April 8, 2005, 12:40:26 ; Search time 33.2861 Seconds

(Without alignments)
1486.133 Million cell updates/sec

Title: US-10-037-860-9

Perfect score: 766
Sequence: 1 DLHRIVOADNPISIVECLE.....SIEPERDGYGRWHEGDD 149

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 1418010 seqs, 31197259 residues

Total number of hits satisfying chosen parameters: 1418010

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:
1: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubppa/PCF_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubppa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubppa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubppa/PCFUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubppa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubppa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubppa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubppa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*
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15: /cgn2_6/ptodata/1/pubppa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubppa/US10_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubppa/US11_NEW_PUB.pep:*
19: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUB.pep:*
20: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	766	100.0	149	13	US-10-037-860-9 Sequence 9, Appl1
2	755	98.6	283	13	US-10-037-860-11 Sequence 11, Appl1
3	755	98.6	283	13	US-10-037-860-13 Sequence 13, Appl1
4	295.5	38.6	353	9	US-09-965-529-7 Sequence 7, Appl1
5	295.5	38.6	353	10	US-09-969-680A-7 Sequence 7, Appl1
6	287	37.5	452	16	US-10-408-765A-2385 Sequence 2385, Ap
7	277	36.2	399	15	US-10-094-749-1978 Sequence 1978, Ap
8	271.5	35.4	351	9	US-09-965-529-1 Sequence 1, Appl1
9	271.5	35.4	351	10	US-09-804-014A-16 Sequence 16, Appl1
10	271.5	35.4	351	10	US-09-969-680A-1 Sequence 1, Appl1
11	271.5	35.4	351	15	US-10-341-434-10 Sequence 10, Appl1
12	256.5	33.5	329	13	US-10-037-860-4 Sequence 4, Appl1
13	255	33.3	318	10	US-09-804-014A-40 Sequence 40, Appl1

14	247.5	32.3	403	15	US-10-094-466-38 Sequence 38, Appl1
15	240	31.3	337	15	US-10-296-115-1208 Sequence 1208, Ap
16	237	30.9	327	17	US-10-959-539-26 Sequence 26, Appl1
17	235	30.7	321	10	US-09-804-014A-39 Sequence 39, Appl1
18	225	29.4	312	10	US-09-804-014A-73 Sequence 73, Appl1
19	225	29.4	312	10	US-09-804-014A-74 Sequence 74, Appl1
20	97.5	12.7	218	15	US-10-094-749-2881 Sequence 2881, Ap
21	96.5	12.6	542	15	US-10-205-331-57 Sequence 57, Appl1
22	95.5	12.5	407	16	US-10-755-889-122 Sequence 122, App
23	93.5	12.2	620	16	US-10-437-963-158544 Sequence 158544, App
24	91.5	11.9	346	15	US-10-310-154-448 Sequence 448, App
25	90	11.7	582	15	US-10-438-329-8 Sequence 8, Appl1
26	90	11.7	582	15	US-10-416-477-8 Sequence 8, Appl1
27	90	11.7	592	17	US-10-754-829A-8 Sequence 8, Appl1
28	89.5	11.7	800	17	US-10-921-110-2 Sequence 2, Appl1
29	89.5	11.6	800	17	US-10-959-539-51 Sequence 51, Appl1
30	89	11.6	1474	16	US-10-437-963-187531 Sequence 187531, Sequence 129734
31	87.5	11.4	2532	16	US-10-437-963-129734 Sequence 129734, Sequence 4, Appl1
32	87	11.4	545	9	US-09-908-988B-4 Sequence 4, Appl1
33	87	11.4	545	16	US-10-775-649-4 Sequence 4, Appl1
34	87	11.4	545	16	US-10-775-627-4 Sequence 257, App
35	84.5	11.0	1300	16	US-10-408-765A-257 Sequence 3, Appl1
36	83.5	10.9	631	17	US-10-723-518-3 Sequence 2, Appl1
37	83	10.8	882	14	US-10-298-417-2 Sequence 187527, Sequence 187533, Sequence 187539, Sequence 187539, Sequence 33, Appl1
38	83	10.8	1687	16	US-10-437-963-187533 Sequence 33, Appl1
39	83	10.8	1708	16	US-10-437-963-187533 Sequence 33, Appl1
40	82.5	10.8	384	16	US-10-437-963-182739 Sequence 33, Appl1
41	82.5	10.8	435	9	US-09-866-582-33 Sequence 33, Appl1
42	82.5	10.8	435	17	US-10-839-016-33 Sequence 33, Appl1
43	82.5	10.8	549	16	US-10-437-963-156505 Sequence 156505, Sequence 447, App
44	82.5	10.8	817	15	US-10-363-618-447 Sequence 4, Appl1
45	82.5	10.8	996	15	US-10-380-492A-4 Sequence 4, Appl1

ALIGNMENTS

RESULT 1
US-10-037-860-9
; Sequence 9, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmay
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037, 860
; CURRENT FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 149
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-9
Query Match 100.0%; Score 766; DB 13; Length 149;
Best Local Similarity 100.0%; Pred. No. 4.9e-70;
Matches 149; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DLHRIVOADNPISIVECLEAFKQVFGSLSSRTAQRVLYKPYQEGEKAVALRLTLT 60
DB 1 DLHRIVOADNPISIVECLEAFKQVFGSLSSRTAQRVLYKPYQEGEKAVALRLTLT 60
QY LRAVEKRAIPRIADQVRLEQVMAGATINQMLKGLREIKDQPPPSFLELMKVIREEE 120
DB LRAVEKRAIPRIADQVRLEQVMAGATINQMLKGLREIKDQPPPSFLELMKVIREEE 120
QY 61 LRAVEKRAIPRIADQVRLEQVMAGATINQMLKGLREIKDQPPPSFLELMKVIREEE 120
DB 61 LRAVEKRAIPRIADQVRLEQVMAGATINQMLKGLREIKDQPPPSFLELMKVIREEE 120
QY 121 EERASPNESIEEPERDGYGRWHEGDD 149

Db 121 EEEASFENESIEEPEERDGYGRWNHEGDD 149

RESULT 2

US-10-037-860-11

Sequence 11, Application US/10037860

Publication No. US20020123114A1

GENERAL INFORMATION:

APPLICANT: Jerome B. Posner

APPLICANT: Joseph O. Dalmou

TITLE OF INVENTION: MYRNA R. ROSENFIELD

TITLE OF INVENTION: ANTIBODIES

FILE REFERENCE: 2581.1004-004

CURRENT APPLICATION NUMBER: US/10/037,860

PRIOR FILING DATE: 2001-01-04

PRIOR FILING DATE: 1998-11-10

NUMBER OF SEQ ID NOS: 14

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 11

LENGTH: 283

TYPE: PRT

ORGANISM: homo sapiens

US-10-037-860-11

Query Match

Best Local Similarity 98.6%; Score 755; DB 13; Length 283;

Matches 147; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 135 DLHMTVOADNPSISVECEAFKQVFGSLERRTAQRVYLKPYOEEGKVSAYVLRLETL 194

QY 1 LRAVAVKRAIPRIADQVRLQVMAQATINQMLMCRLEKQGGPPSFLMLKVIREE 120

Db 195 LRAVAVKRAIPRIADQVRLQVMAQATINQMLMCRLEKQGGPPSFLMLKVIREE 254

QY 121 EEEASFENESIEEPEERDGYGRWNHEGDD 149

Db 255 EEEASFENESIEEPEERDGYGRWNHEGDD 283

RESULT 3

US-10-037-860-13

Sequence 13, Application US/10037860

Publication No. US20020123114A1

GENERAL INFORMATION:

APPLICANT: Jerome B. Posner

APPLICANT: Joseph O. Dalmou

TITLE OF INVENTION: MYRNA R. ROSENFIELD

FILE REFERENCE: 2581.1004-004

CURRENT APPLICATION NUMBER: US/10/037,860

PRIOR FILING DATE: 2001-01-04

PRIOR FILING DATE: 1998-11-10

NUMBER OF SEQ ID NOS: 14

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 13

LENGTH: 463

TYPE: PRT

ORGANISM: homo sapiens

US-10-037-860-13

Query Match

Best Local Similarity 42.3%; Score 323; DB 13; Length 463;

Matches 68; Conservative 26; Mismatches 33; Indels 2; Gaps 1;

QY 6 VQADNPSISVECEAFKQVFGSLERRTAQRVYLKPYOEEGKVSAYVLRLETL 65

Db 220 LRASNASITVEECLAAQOVFGPVESHKIAQVKLCQAVQOEGKVSFVLRLPILQRAV 279

QY 66 EKRAIPRIADQVRLQVMAQATINQMLMCRLEKQGGPPSFLMLKVIREEEERAS 125

Db 280 ENNVVSRNNQTRILKRVLSGATLPDKLRDKMLKQRRKPPGFALVKLREEEEMWT 339

QY 126 F--ENESIE 132

Db 340 LQPDRESLE 348

RESULT 4

US-09-965-529-7

Sequence 7, Application US/09965529

Publication No. US20020182671A1

GENERAL INFORMATION:

APPLICANT: LAL, Preeti

APPLICANT: YUE, Henry

APPLICANT: TANG, Y. Tom

APPLICANT: BANDMAN, Olga

APPLICANT: BURFORD, Neil

APPLICANT: AZIMZAI, Yalda

APPLICANT: BAUGHN, Mariah R.

APPLICANT: LU, Dyang Aina M.

APPLICANT: PATTERSON, Chandra

TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS

FILE REFERENCE: PF-0731 USA

CURRENT APPLICATION NUMBER: US/09/965,529

PRIOR FILING DATE: 2001-09-26

PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14

NUMBER OF SEQ ID NOS: 74

SOFTWARE: PERL Program

SEQ ID NO 7

LENGTH: 353

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1

US-09-965-529-7

Query Match

Best Local Similarity 38.6%; Score 295.5; DB 9; Length 353;

Matches 62; Conservative 29; Mismatches 36; Indels 7; Gaps 2;

QY 1 DLHMTVOADNPSISVECEAFKQVFGSLERRTAQRVYLKPYOEEGKVSAYVLRLETL 60

Db 212 DVIRIKSNPPATTAECTLKLEQVFGSVESRDQIFLNTYQPGKLSAYVLRLEPL 271

QY 61 LRAVAVKRAIPRIADQVRLQVMAQATINQMLMCRLEKQGGPPSFLMLKVI 116

Db 272 LQKVVEKADIKDNNQARLEQVLAGANHSAGIRQLWL---TGAGESPANLPGLVQI 328

QY 117 REEEASFENES 130

Db 329 REEAKKEESEA 342

RESULT 5

US-09-969-680A-7

Sequence 7, Application US/09969680A

Publication No. US20030124649A1

GENERAL INFORMATION:

APPLICANT: LAL, Preeti; YUE, Henry

APPLICANT: TANG, Y. Tom; BANDMAN, Olga

APPLICANT: BURFORD, Neil; AZIMZAI, Yalda

APPLICANT: BAUGHN, Mariah R.; LU, Dyang Aina M.

APPLICANT: PATTERSON, Chandra

TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS

FILE REFERENCE: PF-0731-1 USA

CURRENT APPLICATION NUMBER: US/09/969,680A

PRIOR FILING DATE: 2001-10-02


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; PRIOR APPLICATION NUMBER: US03/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/439,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/184,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7

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```

Query Match      38.6%; Score 295.5; DB 10; Length 353;
Best Local Similarity 46.3%; Pred. No. 1.3e-21;
Matches 62; Conservative 29; Mismatches 36; Indels 7; Gaps 2;

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```

QY 1 DLMHIVQADNPSTVEECLEAFKQVFGSLERRTAOVRYLKPYOEGBEKVSAYVLRLETL 60
DB 212 DVIRILKSNPDAITTEACLEALFOVFGSVSSRDAQIKFINTYQNPGEKLSAVVIRLEPL 271
QY 61 LRAVEKRAIPRIADQVRLQVWAGATLNMQLCRLRELKQDGPSPFLMLKVIREEE 116
DB 272 LQKVEKGAIDKQVNVQARLEQVYAGNHSGAIRQLQML---TGAGSGPAPNLFOLLVQI 328
QY 117 REEEEFESFENES 130
DB 329 REEEAKEEEEAER 342

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RESULT 6
US-10-408-765A-2385
; Sequence 2385, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Choesh, Soumitra S.
; APPLICANT: Fany, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Martock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660068.465
; CURRENT APPLICATION NUMBER: US/10/408, 765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2385
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-2385

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Query Match      37.5%; Score 287; DB 16; Length 452;
Best Local Similarity 43.8%; Pred. No. 1.4e-20;
Matches 63; Conservative 30; Mismatches 43; Indels 8; Gaps 2;

```

```

QY 2 LHMIVQADNPSTVEECLEAFKQVFGSLERRTAOVRYLKPYOEGBEKVSAYVLRLETL 61
DB 215 IMRVLQANNDISTVEQCLDALKQIFGDKEDFRASQFFPLQSPGKGVSTFLRLLEPL 274
QY 62 RRAVEKRAIPRIADQVRLQVWAGATLNMQLCRLRELKQDGPSPFLMLKVIREEE 121
DB 275 QKAVHKSPSLVSRSDMIRLKLRLARVAMTPALRKLELDDQRCGPFPFLMLKIRIDEE 334
QY 122 ---EEASFENESIEEPEERDGYR 142

```

```

DB 335 WENTEAVMKNK-----EKPSGRGR 353

```

```

RESULT 7
US-10-094-749-1978
; Sequence 1978, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHITAKA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094, 749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350, 435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1978
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-1978

```

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Query Match      36.2%; Score 277; DB 15; Length 399;
Best Local Similarity 43.5%; Pred. No. 1.2e-19;
Matches 60; Conservative 30; Mismatches 48; Indels 0; Gaps 0;

```

```

QY 2 LHMIVQADNPSTVEECLEAFKQVFGSLERRTAOVRYLKPYOEGBEKVSAYVLRLETL 61
DB 208 LVHALLAENPARKTAQDCLAAQVFGDNESQATIRVKCLTPAQQSGERLSAFVLRLEVL 267
QY 62 RRAVEKRAIPRIADQVRLQVWAGATLNMQLCRLRELKQDGPSPFLMLKVIREEE 121
DB 268 QKAMEKALARSADNVRRLQMLTRAHLPEDEARLKLRMGRSPSPFLMLGLVNESEA 327
QY 122 EEASFENESIEEPEERDGY 139
DB 328 WEASLARVVAQTOGAG 345

```

```

RESULT 8
US-09-965-529-1
; Sequence 1, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: BANDMAN, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dying Aina M.
; APPLICANT: PATTERSON, Chandra

```

Query Match	35.4%;	Score 271.5;	DB 9;	Length 351;
Best Local Similarity	44.6%;	Pred. No. 3.7e-19;		
Matches 58; Conservative	32;	Mismatches 29;	Indels 11;	Gaps 3

RESULT 9
US-09-80

```

1  APPLICANT: Padigaru, Muralidhara
2  APPLICANT: Vernet, Corine
3  APPLICANT: Fernandes, Elma
4  APPLICANT: Shinkets, Richard
5  APPLICANT: Spaderna, Steven
6  APPLICANT: Majumder, Kundu
7  TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
8  FILE REFERENCE: 15966-721 US
9  CURRENT APPLICATION NUMBER: US/09/804,014A

```

ORGANISM: Homo sapiens
US-09-804-014A-16

```

Query Match 35.4%; Score 271.5; DB 10; Length 351;
Best Local Similarity 44.6%; Pred No. 3.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3

```

RESULT 10
US-09-969-680A-1

```

1 sequence 1, Application US/0396960A
2 Publication No. US20030124639A1
3
4 GENERAL INFORMATION:
5
6 APPLICANT: LAL, Preeti; YUE, Henry
7 APPLICANT: TANG, Y. Tom; BANDMAN, Olga
8 APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
9 APPLICANT: BAUGHN, Mariah R.; LU, Dyung Aina M.
10 APPLICANT: PATTERSON, Candice
11 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
12
13 FILE REFERENCE: PP-0731-1 USA
14
15 CURRENT APPLICATION NUMBER: US/09/969, 680A
16
17 PRIOR FILING DATE: 2001-10-02
18
19 PRIOR APPLICATION NUMBER: US00/22315
20
21 PRIOR FILING DATE: 2000-08-14
22
23 PRIOR APPLICATION NUMBER: 60/149, 641
24
25 PRIOR FILING DATE: 1999-08-17
26
27 PRIOR APPLICATION NUMBER: 60/164, 203
28
29 PRIOR FILING DATE: 1999-11-09
30
31 NUMBER OF SEQ. ID NOS: 74
32
33 SOFTWARE: PERL Program

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```

? CDLENGTH: 351
? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc_feature
? OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CD1
? OS-09-969-680A-1

```

Query Match	35.4%;	Score 271.5;	DB 10;	Length 351;
Best Local Similarity	44.6%;	Pred. No. 3.7e-19;		
Matches 58;	Conservative 32;	Mismatches 29;	Indels 11;	Gaps 3

```
QY      _ DLNHHIYOANPSISVBECLFAKQOFGSLJESRTOAYULKPYOEGBGSAUYLRLETJL 60
        |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      DVIVRLKINNPLLTVECDLOALEBVFAGTNDNRELIQVRYLTTYYQDEBKLSAVYLRIEPL 275
        |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
QY      61 LRDAVEKRAIPRIDOVLEFOWMAGA--TLNQWLWCRLELNKDGPSPSEFLIMEVIR 117
        |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      276 LQQLTVRGAIERDVAVNQARLDQVINGAVHKTIIRREL-----NLPEDGAPGFQLLVLIK 330
        |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
QY      118 S---EEEEEA 124
        :       |||||
Db      331 DYEAABEEBA 340
```

RESULT 11
US-10-341-434-10
; Sequence 10, Application US/10341434
; Publication No. US20030215835A1

```

1  APPLICANT: Origene Technologies
2  TITLE OR INVENTION: Differentially Regulated Prostate Cancer Genes
3  FILE REFERENCE: 90 204 205 R1
4  CURRENT APPLICATION NUMBER: US/10/341,434
5  CURRENT FILING DATE: 2003-07-18
6  PRIOR APPLICATION NUMBER: US 60/348,164

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; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: US 60/348,119
; PRIOR FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 351
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-341-434-10

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```

Query Match      35.4%; Score 271.5; DB 15; Length 351;
Best Local Similarity 44.6%; Pred. No. 3.7e-19;
Matches 58; Conservative 32; Mismatches 29; Indels 11; Gaps 3;

```

```

Qy 1 DLMIIVQADNPISVECELEAFKQVFGSLSESRRTAQVRYLKPYQEEGKVSAYVLRLETL 60
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 216 DVIRILKNNPALTITACLEQVFGSVSSRDQIKFLNTYQNPGEKLSAYVIRLEPL 275
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 61 LRAVEKRAIPRIADQVRLQVWAGA---TLNQMLCRLRELKQGPSPSFLMKVIR 117
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 276 LQKVGAGALERDAVNOARLDQVYAGAVHKTIRREL-----NLPEDGPAPGFIQLVLILK 330
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 118 E---EEEEE 124
    |||||
Db 331 DYAAEEEEA 340
    |||||

```

```

RESULT 12
US-10-037-860-4
; Sequence 4, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Palmar
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; FILE REFERENCE: 2581.1004-004
; CURRENT APPLICATION NUMBER: US/10/037,860
; PRIOR FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 329
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-4

```

```

Query Match      33.5%; Score 256.5; DB 13; Length 329;
Best Local Similarity 46.6%; Pred. No. 1.2e-17;
Matches 54; Conservative 25; Mismatches 30; Indels 7; Gaps 2;

```

```

Qy 1 DLMIIVQADNPISVECELEAFKQVFGSLSESRRTAQVRYLKPYQEEGKVSAYVLRLETL 60
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 212 DVIRILKNNPALTITACLEQVFGSVSSRDQIKFLNTYQNPGEKLSAYVIRLEPL 271
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 61 LRAVEKRAIPRIADQVRLQVWAGA---TLNQMLCRLRELKQGPSPSFLMKVIR 112
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 272 LQKVGAGALDKNVNOARLEQVYAGANHSAGAIRRLQWL--TGAGSGPGKPLSV 324
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

```

```

-RESULT 13
US-09-804-014A-40
; Sequence 40, Application US/09804014A
; Publication No. US20030064489A1
; GENERAL INFORMATION:
; APPLICANT: L1, L1
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma

```

```

; APPLICANT: Shinkets, Richard
; APPLICANT: Spaderna, Steven
; APPLICANT: Majumder, Kumud
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-721 US
; CURRENT APPLICATION NUMBER: US/09/804,014A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/188,316
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/188,277
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 60/189,139
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/189,140
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/190,401
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/190,231
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (20)
; OTHER INFORMATION: Wherein Xaa is any amino acid as defined in the
; OTHER INFORMATION: specification
US-09-804-014A-40

```

```

Query Match      33.3%; Score 255; DB 10; Length 318;
Best Local Similarity 51.0%; Pred. No. 1.6e-17;
Matches 50; Conservative 23; Mismatches 21; Indels 4; Gaps 1;

```

```

Qy 1 DLMIIVQADNPISVECELEAFKQVFGSLSESRRTAQVRYLKPYQEEGKVSAYVLRLETL 60
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 212 DVIRILKNNPALTITACLEQVFGSVSSRDQIKFLNTYQNPGEKLSAYVIRLEPL 271
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Qy 61 LRAVEKRAIPRIADQVRLQVWAGA---TLNQML 94
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 272 LQKVGAGALDKNVNOARLEQVYAGANHSAGAIRRLQWL 309
    ||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:

```

```

RESULT 14
US-10-094-466-38
; Sequence 38, Application US/10094466
; Publication No. US20030203363A1
; GENERAL INFORMATION:
; APPLICANT: Spytek et al.
; TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM
; TITLE OF INVENTION: AND METHODS OF USING
; FILE REFERENCE: 21402-290D
; CURRENT APPLICATION NUMBER: US/10/094,466
; CURRENT FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 60/274,281
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 60/288,148
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/274,849
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/275,235
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: 60/338,375
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/275,579
; PRIOR FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/335,302
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 60/275,601
; PRIOR FILING DATE: 2001-03-13

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PRIOR APPLICATION NUMBER: 60/276,000
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/277,338
PRIOR FILING DATE: 2001-03-20
Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 114
SOFTWARE: Patin 2.1
SEQ ID NO 38
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-10-094-466-38

Query Match 32.3%; Score 247.5; DB 15; Length 403;
Best Local Similarity 42.0%; Pred. No. 1.2e-16;
Matches 55; Conservative 26; Mismatches 43; Indels 5; Gaps 1;

QY 1 DLNHIYQADNPISVEECLAFKQVFGSLSRRTAOVRYLKPYOEEGKVSAYVLRLETL 60
DB 96 EVNRLLOANPNLSVADFLRMKLVFGSESSVTAGKFFNTLOAQGEKASLYVIRLEVO 155
QY 61 LRRAVEKRAIPRIADQVRLBOVWAGATLNQMLCRLREL----KDQPPPSFLEIMKY 115
DB 156 LQNAIQAGITAEKDQNRTRLOQLLIGALNRDLRFRLKHLIRMYANKQERLPNPLELTKM 215
QY 116 IREEEEESASF 126
DB 216 IREEEDWDADF 226

RESULT 15
US-10-296-115-1208
Sequence 1208, Application US/10296115
Publication No. US20040053248A1
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: No. US20040053248A1 Nucleic Acids and Polypeptides
FILE REFERENCE: 784PCT
CURRENT APPLICATION NUMBER: US/10/296,115
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: US09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
NUMBER OF SEQ ID NOS: 1478
SEQ ID NO 1208
LENGTH: 337
TYPE: PRT
ORGANISM: Homo sapiens
US-10-296-115-1208

Query Match 31.3%; Score 240; DB 15; Length 337;
Best Local Similarity 37.2%; Pred. No. 5.8e-16;
Matches 54; Conservative 34; Mismatches 45; Indels 12; Gaps 2;

QY 1 DLNHIYQADNPISVEECLAFKQVFGSLSRRTAOVRYLKPYOEEGKVSAYVLRLETL 60
DB 80 EVNRLLOANPNLSVADFLRMKLVFGSESSVTAGKFFNTLOAQGEKASLYVIRLEVO 139
QY 61 LRRAVEKRAIPRIADQVRLBOVWAGATLNQMLCRLREL----KDQPPPSFLEIMKY 115
DB 140 LQNAIQAGITAEKDQNRTRLOQLLIGALNRDLRFRLKHLIRMYANKQERLPNPLELTKM 199
QY 116 IREEEEESASF-----ENESIEE 133
DB 200 VREEEDWDADFIRKRPKRSESWVE 224

Search completed: April 8, 2005, 13:35:14
Job time : 34.2861 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 8, 2005, 12:40:26 / Search time 63.2213 Seconds
(without alignments)
1486.133 Million cell updates/sec

Title: US-10-037-860-11
Perfect score: 1462
Sequence: 1 VQKGGWVKVIFKTPNDTE.....SIEPEERDGYGRWHEGDD 283

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 1418010 seqs, 331997259 residues

Total number of hits satisfying chosen parameters: 1418010

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications_AA:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCR_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/CTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1462	100.0	283	US-10-037-860-11	Sequence 11, Appl
2	755	51.6	149	US-10-037-860-9	Sequence 9, Appl
3	628	43.0	353	US-09-965-529-7	Sequence 7, Appl
4	628	43.0	353	US-09-969-680A-7	Sequence 7, Appl
5	618.5	42.3	463	US-10-037-860-13	Sequence 13, Appl
6	597	40.8	452	US-10-408-765A-2385	Sequence 2385, Ap
7	596.5	40.8	351	US-09-965-529-1	Sequence 1, Appl
8	596.5	40.8	351	US-09-804-014A-16	Sequence 16, Appl
9	596.5	40.8	351	US-09-969-680A-1	Sequence 1, Appl
10	596.5	40.8	351	US-10-341-434-10	Sequence 10, Appl
11	593	40.6	195	US-10-037-860-7	Sequence 7, Appl
12	564	38.6	329	US-10-037-860-4	Sequence 4, Appl
13	562.5	38.5	318	US-09-804-014A-40	Sequence 40, Appl

14	560	38.3	321	10	US-09-804-014A-39	Sequence 39, Appl
15	550	37.6	312	10	US-09-804-014A-73	Sequence 73, Appl
16	550	37.6	312	10	US-09-804-014A-74	Sequence 74, Appl
17	475.5	32.5	399	15	US-10-094-749-1978	Sequence 1978, Ap
18	394	26.9	402	17	US-10-094-466-38	Sequence 38, Appl
19	380.5	26.0	403	17	US-10-959-539-26	Sequence 26, Appl
20	378.5	25.9	337	15	US-10-296-115-1208	Sequence 1208, Ap
21	215	14.7	120	10	US-09-804-014A-42	Sequence 42, Appl
22	156.5	10.7	204	14	US-10-029-386-33747	Sequence 33747, A
23	123	8.4	120	10	US-09-804-014A-41	Sequence 41, Appl
24	117	8.0	538	16	US-10-408-765A-2592	Sequence 2592, Ap
25	113	7.7	2383	14	US-10-082-830-260	Sequence 260, App
26	110.5	7.6	584	15	US-10-291-172-355	Sequence 355, App
27	110.5	7.6	584	15	US-10-221-278-355	Sequence 355, App
28	107	7.3	1031	11	US-09-764-875-686	Sequence 686, App
29	107	7.3	1035	15	US-10-158-057-197	Sequence 197, App
30	107	7.3	1459	16	US-10-408-765A-2246	Sequence 2246, Ap
31	106	7.3	542	15	US-10-205-331-57	Sequence 57, Appl
32	105.5	7.2	758	15	US-10-282-122A-67949	Sequence 67949, A
33	102.5	7.0	879	15	US-10-282-122A-60655	Sequence 60655, A
34	102	7.0	116	9	US-09-864-761-34645	Sequence 34645, A
35	102	7.0	225	10	US-09-764-891-4172	Sequence 4172, Ap
36	101.5	6.9	788	14	US-10-128-714-8204	Sequence 8204, Ap
37	100	6.8	750	14	US-10-410-681-12	Sequence 12, Appl
38	100	6.8	1082	16	US-10-437-963-162190	Sequence 162190, A
39	99.5	6.8	860	15	US-10-080-334-166	Sequence 166, App
40	99.5	6.8	860	15	US-10-072-012-838	Sequence 838, App
41	99.5	6.8	860	15	US-10-037-417-59	Sequence 59, Appl
42	99	6.8	342	15	US-10-425-114-71718	Sequence 71718, A
43	99	6.8	750	15	US-10-424-599-268662	Sequence 268662, A
44	98.5	6.7	520	15	US-10-220-381-12	Sequence 12, Appl
45	98	6.7	1070	14	US-10-420-845-22	Sequence 22, Appl

ALIGNMENTS

US-10-037-860-11	Sequence 11, Application US/10037860
1	Publication No. US20020123114A1
GENERAL INFORMATION:	
APPLICANT:	Jerome B. Posner
APPLICANT:	Myrna R. Rosenfeld
TITLE OF INVENTION:	MA FAMILY POLYPEPTIDES AND ANTI-MA
FILE REFERENCE:	2581.1004-004
CURRENT APPLICATION NUMBER:	US/10/037, 860
PRIOR FILING DATE:	2001-01-04
PRIOR APPLICATION NUMBER:	09/189, 527
NUMBER OF SEQ ID NOS:	14
SOFTWARE:	FastSeq for Windows Version 4.0
SEQ ID NO 11	
LENGTH:	283
TYPE:	PRT
ORGANISM:	homo sapiens
US-10-037-860-11	
Query Match	100.0%; Score 1462; DB 13; Length 283;
Best Local Similarity	100.0%; Pred. No. 2.5e-120;
Matches 283; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Qy	1 VQKGGWVKVIFKTPNDTEFLRLNLFLEKEQTVSGMFRALGQGVSPATVPCISPEL 60
Db	1 VQKGGWVKVIFKTPNDTEFLRLNLFLEKEQTVSGMFRALGQGVSPATVPCISPEL 60
Qy	LAHLHGAMAHAPQPLPMKRYRLRVFSSGAVPAPEESFEVWLLEQATELVKMPYTEAE 120
Db	LAHLHGAMAHAPQPLPMKRYRLRVFSSGAVPAPEESFEVWLLEQATELVKMPYTEAE 120
Qy	KKWLAEISLGPALDLMHIVQADNPSTISVEECLEAKQVFGSLDSRTAQVRYLKYORE 180
Db	KKWLAEISLGPALDLMHIVQADNPSTISVEECLEAKQVFGSLDSRTAQVRYLKYORE 180

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Db      121 KRWLAESLRGPAALDLMH:VQADNPISIVBCELFKQVFGSLERRTAQVRYLTQGE 180
      181 GKVSAYVLRLETLTKKAVEKRAIPRIADQVRLQVAGATLQMLCRLRELKDOQPP 240
      181 GKVSAYVLRLETLTKKAVEKRAIPRIADQVRLQVAGATLQMLCRLRELKDOQPP 240
      241 PSFLELMKYIRREEEBSAFENESIIEPERDYGKRWNHGDD 283
      241 PSFLELMKYIRREEEBSAFENESIIEPERDYGKRWNHGDD 283

RESULT 2
US-10-037-860-9
; Sequence 9, Application US/10037860
; Publication No. US20020123114A1
; GENERAL INFORMATION:
; APPLICANT: Jerome B. Posner
; APPLICANT: Joseph O. Dalmou
; APPLICANT: Myrna R. Rosenfeld
; TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
; FILE REFERENCE: 2581.1004-004.1
; CURRENT APPLICATION NUMBER: US/10/037,860
; PRIOR FILING DATE: 2001-01-04
; PRIOR APPLICATION NUMBER: 09/189,527
; PRIOR FILING DATE: 1998-11-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 149
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-037-860-9

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```

Query Match      51.6%; Score 755; DB 13; Length 149;
Best Local Similarity 98.7%; Pred. No. 1.8e-58;
Matches 147; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

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QY      135 DLMHIVQADNPISIVBCELFKQVFGSLERRTAQVRYLTQGEKVSAYVLRLETL 194
      1 DLMHIVQADNPISIVBCELFKQVFGSLERRTAQVRYLTQGEKVSAYVLRLETL 60
QY      195 LKRAVEKRAIPRIADQVRLQVAGATLQMLCRLRELKDOQPPSFLELMKYIRREE 254
      61 LKRAVEKRAIPRIADQVRLQVAGATLQMLCRLRELKDOQPPSFLELMKYIRREE 120
QY      255 EEBASPFENESIIEPERDYGKRWNHGDD 283
      121 EEBASPFENESIIEPERDYGKRWNHGDD 149
DB

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```

RESULT 3
US-09-965-529-7
; Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:

```

```

; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dying Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; PRIOR FILING DATE: 2001-05-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74

```

```

; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
US-09-965-529-7

```

```

Query Match      43.0%; Score 628; DB 9; Length 353;
Best Local Similarity 47.9%; Pred. No. 9e-47;
Matches 128; Conservative 52; Mismatches 75; Indels 12; Gaps 4;

```

```

QY      3 GKGWVWVIFKPTNQDTEFLERLNLFLKEGQTVSGMFRALGQGVSPATVPICSPILLA 62
      83 GKGWVWVIFKPTNSDSEFLERLNLFLAREGTVQDVARVLGFQNPPTP-----GPEMPA 138
      63 HLLQAMAHAPDPL-EMRYRKLTVFSGSAVPADEESSFEVWLEQATEIYKEMPVTAEK 121
      139 EMLNVILDNVIOPLVESIWMYKRLTLFGGRDIPGGEETFPWLEHTNEVLEWQSDVEK 198
QY      122 KRWLAESLRGPAALDLMHIVQADNPISIVBCELFKQVFGSLERRTAQVRYLTQGE 181
      199 RRLMESLRGPAADVIRILSNPNATTAELCKALQVFGSVESRDAQIFLNTYQPG 258
QY      182 EKVSAYVLRLETLTKKAVEKRAIPRIADQVRLQVAGATLQMLCRLRELKDO 237
      259 EKLSAYVLRLEPLQKYVEKCAIDKQNVNQARLEQVLAGNHSQAIRQLWL---TGAGE 315
QY      238 GPPSFLELMKYIRREEEBSAFENESIIEPERDYGKRWNHGDD 264
      316 GPAPNLFQLLVQVIREEBAKEEESAFA 342
DB

```

```

RESULT 4
US-09-969-680A-7

```

```

; Sequence 7, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:

```

```

; APPLICANT: LAL, Preeti; YUE, Henry
; APPLICANT: TANG, Y. Tom; BANDMAN, Olga
; APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.; LU, Dying Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731-1 USA
; CURRENT APPLICATION NUMBER: US/09/969,680A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US00/22315
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/149,641
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/164,203
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1
US-09-969-680A-7

```

```

Query Match      43.0%; Score 628; DB 10; Length 353;
Best Local Similarity 47.9%; Pred. No. 9e-47;
Matches 128; Conservative 52; Mismatches 75; Indels 12; Gaps 4;
QY      3 GKGWVWVIFKPTNQDTEFLERLNLFLKEGQTVSGMFRALGQGVSPATVPICSPILLA 62
      83 GKGWVWVIFKPTNSDSEFLERLNLFLAREGTVQDVARVLGFQNPPTP-----GPEMPA 138
DB

```

QY 63 HLLGQMAHAPQPLT-PMRYRKLRFVSGSAVPAPAESEFVWLEQATEIVKEMPTEBAK 121
 DB 139 EMLNLYLDVIOPLVESIYKRLTTFSGRDIPGPEEFTDPMLETTNEYLEMVOVSDEK 198
 QY 122 KRMLESRLGPAIDLMHIYQADNPISVEECLAFKOVFGSLERRTAQVRYLKYOE 181
 DB 199 RRLMESLRGPADVIYRIKSNPPAITTAECALKALEOVGVSERRDAQIKPLNTYQNG 258
 QY 182 EVKSAVYLRLETLTKAVKRAIPRIADQVLEQWAGA---TLNQMLKRLBELDQ 237
 DB 259 EKLSAVYLRLEPLTKVVEKGAIDQNVQARLEQVIANHSGAIRQLML--TGAGE 315
 QY 238 GPPSFLMKVIREEESEAFENES 264
 DB 316 GPAPNLFQLVQIREBEAKEEEEA 342

RESULT 5
 US-10-037-860-13
 Sequence 13, Application US/10037860
 Publication No. US20020123114A1
 GENERAL INFORMATION:
 APPLICANT: Jerome B. Posner
 APPLICANT: Joseph O. Dalmou
 APPLICANT: Myrna R. Rosenfeld
 TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
 TITLE OF INVENTION: ANTIBODIES
 FILE REFERENCE: 2581.1004-004
 CURRENT APPLICATION NUMBER: US/10/037,860
 PRIOR FILING DATE: 2001-01-04
 PRIOR APPLICATION NUMBER: 09/189,527
 PRIOR FILING DATE: 1998-11-10
 NUMBER OF SEQ ID NOS: 14
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 13
 LENGTH: 463
 TYPE: PRT
 ORGANISM: homo sapiens
 US-10-037-860-13

Query Match 42.3%; Score 618.5; DB 13; Length 463;
 Best Local Similarity 50.2%; Pred. No. 9e-46;
 Matches 135; Conservative 44; Mismatches 85; Indels 5; Gaps 3;

QY 1 VQKGGVWKVIFKTPNDTEFLRLNLFLEKGGQVSGMFRALGQGVSPATVPCLSPRL 60
 DB 82 IPKGGSPMEVIVKPRNSDGFNLRNRFLEBERRTVSDNRRVLSGDTNCSAPRTVISPEF 141
 QY 61 LHLGQMAHAPQPLT-PMRYRKLRFVSGSAVPAPAESEFVWLEQATEIVKEMPTEBA 119
 DB 142 WT--NAQITGAAVQPLEMQLYRELRFVSGNTISIPGALAFAMLEHTEMLOQMVOBPG 199
 QY 120 EKKRWLAESLRGPALDLMHIYQADNPISVEECLAFKOVFGSLERRTAQVRYLKYOE 179
 DB 200 EKKRRRLMECLRGPAIDVIRIKSNPPAITTAECALKALEOVGVSERRDAQIKPLNTYQNG 259
 QY 180 EEBKSAVYLRLETLTKAVKRAIPRIADQVLEQWAGA---TLNQMLKRLBELDQ 239
 DB 260 ABEKSSFFVLRLEPLTKVVEKGAIDQNVQARLEQVIANHSGAIRQLML--TGAGE 319
 QY 240 PPSFLMKVIREEESEAFENES 266
 DB 320 PPGFLALVQLRLREBEWEATLGPDRSLE 348

RESULT 6
 US-10-408-765A-2385
 Sequence 2385, Application US/10408765A
 Publication No. US20040101874A1
 GENERAL INFORMATION:
 APPLICANT: Ghosh, Soumitra S.
 APPLICANT: Fahy, Eoin D.

APPLICANT: Zhang, Bing
 APPLICANT: Gibson, Bradford W.
 APPLICANT: Taylor, Steven W.
 APPLICANT: Glenn, Gary M.
 APPLICANT: Warnock, Dale E.
 TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
 TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
 FILE REFERENCE: 660088.465
 CURRENT APPLICATION NUMBER: US/10/408,765A
 CURRENT FILING DATE: 2003-04-04
 NUMBER OF SEQ ID NOS: 3077
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 2385
 LENGTH: 452
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-408-765A-2385

Query Match 40.8%; Score 597; DB 16; Length 452;
 Best Local Similarity 46.3%; Pred. No. 6.8e-44;
 Matches 132; Conservative 48; Mismatches 79; Indels 26; Gaps 5;

QY 1 VQKGGVWKVIFKTPNDTEFLRLNLFLEKGGQVSGMFRALGQGVSPATVPCLSPRL 60
 DB 86 IPKGGSPMEVIVKPRNSDGFNLRNRFLEBERRTVSDNRRVLSGDTNCSAPRTVISPEF 141
 QY 56 I-SPPELLHLLGQMAHAPQPLT-PMRYRKLRFVSGSAVPAPAESEFVWLEQATEIVKEM 114
 DB 146 VRSPPL-----EPKESMRYRKLRFVSGTASPSGETFDEMLOQVEIMPIW 193
 QY 115 PVEAEKRWLAESLRGPALDLMHIYQADNPISVEECLAFKOVFGSLERRTAQVRYL 174
 DB 194 QVSEVEKRRRLLESRLGPAIDVIRIKSNPPAITTAECALKALEOVGVSERRDAQIKPLNTYQNG 253
 QY 175 KTYOEBEKKSAVYLRLETLTKAVKRAIPRIADQVLEQWAGA---TLNQMLKRLBELDQ 234
 DB 254 QTSPIGKSVTFLLRLPLQKAVHKSPLSVRSTDMRLHGLARVAMPALNGKLELL 313
 QY 235 KDQGGPPSFLMKVIREEESEAFENESIEEPEERDGYR 276
 DB 314 DQGGCPNLFQLVQIREBEWEATLGPDRSLE 353

RESULT 7
 US-09-965-529-1
 Sequence 1, Application US/09965529
 Publication No. US20020182671A1
 GENERAL INFORMATION:
 APPLICANT: Lal, Preeti
 APPLICANT: YUE, Henry
 APPLICANT: TANG, Y. Tom
 APPLICANT: BANDMAN, Olga
 APPLICANT: BURFORD, Neil
 APPLICANT: AZIMZAI, Yalda
 APPLICANT: BAUGHN, Mariah R.
 APPLICANT: LU, Dyang Aina M.
 APPLICANT: PATTERSON, Chandra
 TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
 FILE REFERENCE: PF-0731 USA
 CURRENT APPLICATION NUMBER: US/09/965,529
 CURRENT FILING DATE: 2001-09-26
 PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
 PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: PERL Program
 SEQ ID NO 1
 LENGTH: 351
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
 US-09-965-529-1

Query Match 40.8%; Score 596.5; DB 9; Length 351;
Best Local Similarity 48.3%; Pred. No. 5.3e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5

```
Qy      61 LAILLOQMAAAHAPOLL--MRYRKLKRVSGSAVNPPEEESFEWLEQATILVKEMPTTEA 119
Db      142 MAEMLAQAL-BAQPAPLQCLTKYKKURVFSGRGSPGEEEGRWMTTOMIKXMAQVPDV 200
Qy      120 EKERMIAESIAGPDLDMJIVOADNPSISVEECTAEPAQVGSLSESRRTAVRIKLTYOE 179
Db      201 EKRRLLESIRGALDIVIRKLKINNPILTVDCLDALEEVGVGYNDPNRELQVKKLLTYQK 260
Qy      180 EGERSAYVLRLETTLRKAVEKRAIPRIADQVRLEQWAGA---TNQMIMCRLREIKD 238
Db      261 DEEKLTAYVLRLEPFLQKLYCGAKIERDVAQNARLDQVIAGVHKTIIRREL-----NLPE 315
Qy      237 QGPSPFLELMKYIRE--EEEEE 258
Db      316 DGAPPGELQLVLVIKDYEAEEEE 340
```

RESULT 8

```

US-09-804-014A-16
Sequence 16, Application US/09304014A
Publication No. US20030064489A1
GENERAL INFORMATION:
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
APPLICANT: Vermet, Corine
APPLICANT: Fernandes, Elma
APPLICANT: Shinkets, Richard
APPLICANT: Spaderma, Steven
APPLICANT: Majunder, Kunud
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
FILE REFERENCE: 15966-721 US
CURRENT APPLICATION NUMBER: US/09/804,014A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/188,316
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/188,277
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/189,139
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/189,140
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/190,401
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/190,231
PRIOR FILING DATE: 2000-03-17
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 16
LENGTH: 351
TYPE: PRT
ORGANISM: Homo sapiens
US-09-804-014A-16

```

Query Match	40.8%;	Score 596.5;	DB 10;	Length 351;
Best Local Similarity	48.3%;	Pred. No. 5.3e-44;		
Matches 128;	Conservative 49;	Mismatches 75;	Indels 13;	Gaps 5
Oy	1	VGGKGVWVYVIFETPMQCTEFLERLNLFLEKGGCVTSCMPALQEGVSPATVPCISPEL	60	
Db	82	IPGGKIMRVIFPPDPDYFLSLRNLFLAGEGMYTGLSNALDHENGSLDPECGMTPEM	141	
Oy	61	LHLHLGQAMAHAPOLLPVWRYRKLRVFSGSAVPAPEESFEVWLEQATEIVKEMPYTEA	119	
Db	142	WAPLALQAL-EALQPLQLCKTKYKKLRVSGRSEFPGEETGGKMMFHTQQIKMAQVDPV	200	

[illegible]

RESULT 5

```

US-09-969-680A-1
; Sequence 1, Application US/09969680A
; Publication No. US20030124649A1
; GENERAL INFORMATION:
APPLICANT: LAL, Preeti; YUE, Henry
APPLICANT: TANG, Y. Tom; BANDMAN, Olga
APPLICANT: BURFORD, Neil; AZIMZAI, Yalda
APPLICANT: BAUGHN, Mariah R.; LU, Dying Aina M.
APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731-1 USA
CURRENT APPLICATION NUMBER: US/09/969, 680A
CURRENT FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: US00/22315
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/149,641
PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/164,203
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL Program
SEQ ID NO. 1
LENGTH: 351
TYPE: PRT
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030124649A1 112301CDD
US-09-969-680A-1

```

	Query Match	40.8%	Score 596.5;	DB 10;	Length 351;
	Best Local Similarity	48.3%	Pred. No. 5.3e-44;		
	Matches 128;	Conservative 49;	Mismatches 75;	Indels 13;	Gaps 5
Oy	1 VQKGKGVKVI F KTPNODTEFLERINLLEKEGQTSGMFPALGOEGVSPATVPICISBEL 60	:	:	:	:
Dd	82 IPGGGIMRVIFKPPDPNTFLSRNELBAGEGMVTGSLSTRALGHENSLDDEQGMIPEM 141	:	:	:	:
Oy	61 LAHLLGQMAHAPOPPLP-MRYRKLRVFSSGAVPAPBEESFEWILEQATEIYKEMPVTEA 119	:	:	:	:
Dd	142 WAPILAQGL-EALDQALCQLKYKKLRVPSGRESPEGBEEBFGRWMFHTQMIKAMQVPDV 200	:	:	:	:
Oy	120 EKXKMABLSELPALDLMLHIVQADNPISVSVECLFAFYQVGSLSERSRTAQRYLYKTVE 179	:	:	:	:
Dd	201 EKRRLLESLEGPAIDVIRVLKINNPLITVDECIALEEVEGVTDNPRELOKVYLTYYOK 260	:	:	:	:
Oy	180 EGKYSAAVPLELTELTKRAVEKKAIPRIADOVLEQVMAGA---TLNQMLCRRLREKD 236	:	:	:	:
Dd	261 DEEKLASAVLLEPLLOQLVORGAIERRAVNAVQARLDQVIAGVHKTIIRREL-----NLPE 315	:	:	:	:
Oy	237 QGPSPSFLMKVIRE---EEEEEE 258	:	:	:	:
Dd	316 DGAPGFQQLLVLLIKDYEAEEEEE 340	:	:	:	:
RESULT 10					
US-10-341-434-10					
; Sequence 10, Application US/10341434					


```
/ Publication No. US20030215835A1
/ GENERAL INFORMATION:
/ APPLICANT: Origene Technologies
/ TITLE OF INVENTION: Differentially Regulated Prostate Cancer Genes
/ FILE REFERENCE: 9U 204 205 R1
/ CURRENT APPLICATION NUMBER: US/10/341,434
/ PRIOR FILING DATE: 2003-07-18
/ PRIOR APPLICATION NUMBER: US 60/348,164
/ PRIOR FILING DATE: 2002-01-15
/ PRIOR APPLICATION NUMBER: US 60/348,119
/ PRIOR FILING DATE: 2002-01-15
/ NUMBER OF SEQ ID NOS: 238
/ SOFTWARE: PatentIn version 3.1.1
/ SEQ ID NO 10
/ LENGTH: 351
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-037-860-10
```

```
Query Match 40.8%; Score 596.5; DB 15; Length 351;
Best Local Similarity 48.3%; Pred. No. 5.3e-44;
Matches 128; Conservative 49; Mismatches 75; Indels 13; Gaps 5;
```

```
QY 1 VGGKGVWVIFKTPNODTEFLERLNFLEKEGQTVSGMFRALGQGVSPATVPCISPEL 60
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 82 IPGKGGWVIFKPPDPDTFLSLNEFLAGEGTVGELSRLGHNGLDDEOCMIPDM 141
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 LAHLGQAMAHAPQPLP-PMRYRKLRFVSGSAVPAPPEESFEVWLEQATEIYKEMPVTEA 119
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 142 WAPMLAQAL-EALQPMALGCLTKYKLVFSGRESPEEGEFGRMHTTOMIKANQVDPV 200
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 120 EKKRWLAESLRGPAIDLMHIVQADNPISVEECLEAFKQVFSLSRRTAQVRYLKYOE 179
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 201 EKKRRRLSELRGPAIDVIVLKIKNPDLITVDECLQLEEVFGVTQNPRLQVYLTYYOK 260
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 180 ESEKTSAYVLRLETLRKAVEKRAIPRRIRADQVRLQVMAQA---TLNOMLMCRRLKLD 236
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 261 DEEKLSAYVLRLEPLQKLVORCAIERDAVNQARLDQVIAAGVHKTIRREL-----NILE 315
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 237 GGPSPSFLKMKVIRE---EESEEA 258
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 316 DGPAPGFLQLLVLIKDYEAEESEA 340
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

RESULT 11

```
US-10-037-860-7
/ Sequence 7, Application US/10037860
/ Publication No. US20020123114A1
/ GENERAL INFORMATION:
/ APPLICANT: Jerome B. Posner
/ APPLICANT: Joseph O. Dalmau
/ APPLICANT: Myrna R. Rosenfeld
/ TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
/ TITLE OF INVENTION: ANTIBODIES
/ FILE REFERENCE: 2581.1004-004
/ CURRENT APPLICATION NUMBER: US/10/037,860
/ PRIOR FILING DATE: 2001-01-04
/ PRIOR APPLICATION NUMBER: 09/189,527
/ PRIOR FILING DATE: 1998-11-10
/ NUMBER OF SEQ ID NOS: 14
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 7
/ LENGTH: 195
/ TYPE: PRT
/ ORGANISM: homo sapiens
US-10-037-860-7
```

```
Query Match 40.6%; Score 593; DB 13; Length 195;
Best Local Similarity 98.3%; Pred. No. 4.9e-44;
Matches 113; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 VGGKGVWVIFKTPNODTEFLERLNFLEKEGQTVSGMFRALGQGVSPATVPCISPEL 60
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

```
DB 81 VGGKGVWVIFKTPNODTEFLERLNFLEKEGQTVSGMFRALGQGVSPATVPCISPEL 140
QY 61 LAHLGQAMAHAPQPLP-PMRYRKLRFVSGSAVPAPPEESFEVWLEQATEIYKEMP 115
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 141 LAHLGQAMAHAPQPLP-PMRYRKLRFVSGSAVPAPPEESFEVWLEQATEIYKEMP 195
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

RESULT 12

```
US-10-037-860-4
/ Sequence 4, Application US/10037860
/ Publication No. US20020123114A1
/ GENERAL INFORMATION:
/ APPLICANT: Jerome B. Posner
/ APPLICANT: Joseph O. Dalmau
/ APPLICANT: Myrna R. Rosenfeld
/ TITLE OF INVENTION: MA FAMILY POLYPEPTIDES AND ANTI-MA
/ TITLE OF INVENTION: ANTIBODIES
/ FILE REFERENCE: 2581.1004-004
/ CURRENT APPLICATION NUMBER: US/10/037,860
/ PRIOR FILING DATE: 2001-01-04
/ PRIOR APPLICATION NUMBER: 09/189,527
/ PRIOR FILING DATE: 1998-11-10
/ NUMBER OF SEQ ID NOS: 14
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 329
/ TYPE: PRT
/ ORGANISM: homo sapiens
US-10-037-860-4
```

```
Query Match 38.6%; Score 564; DB 13; Length 329;
Best Local Similarity 47.0%; Pred. No. 3.5e-41;
Matches 117; Conservative 47; Mismatches 73; Indels 12; Gaps 4;
```

```
QY 3 GKGWVWVIFKTPNODTEFLERLNFLEKEGQTVSGMFRALGQGVSPATVPCISPEL 62
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 83 GKGWVWVIFKPPSDAEFLERLNFLEKEGTVQDVAVRGFQNPYTP----GPEMPA 138
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 63 HILGQAMAHAPQPLP-PMRYRKLRFVSGSAVPAPPEESFEVWLEQATEIYKEMPVTEAK 121
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 139 EMLNTIIONVIOPLVESIWKYKRLTFSGKGRPRAMRGFDWLEHTNEVLEEMQVSDVEK 198
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 199 RRLWLESIRGPAADVIIRILKSNPAITTAECIKALEQVFGVSSRDQIIFLNTYQWPG 258
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 182 EKVSAYVLRLETLRKAVEKRAIPRRIRADQVRLQVMAQA---TLNOMLMCRRLKLD 237
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 259 EKLSAYVLRLEPLQKLVORCAIERDAVNQARLDQVIAAGVHGAIRRLQWL---TGAGE 315
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 238 GGPSPSFLK 246
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 316 GGPSPSFLSV 324
: |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

RESULT 13

```
US-09-804-014A-40
/ Sequence 40, Application US/09804014A
/ Publication No. US20030064489A1
/ GENERAL INFORMATION:
/ APPLICANT: LI, LI
/ APPLICANT: Padigaru, Muralidhara
/ APPLICANT: Vernet, Corine
/ APPLICANT: Fernandes, Elma
/ APPLICANT: Shinkets, Richard
/ APPLICANT: Spaderna, Steven
/ APPLICANT: Majumder, Kunud
/ TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
/ FILE REFERENCE: 15966-721 US
/ CURRENT APPLICATION NUMBER: US/09/804,014A
/ PRIOR FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/189,316
/ PRIOR FILING DATE: 2000-03-10
```

```
/ PRIOR APPLICATION NUMBER: 60/188,277
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 60/189,139
/ PRIOR FILING DATE: 2000-03-14
/ PRIOR APPLICATION NUMBER: 60/139,140
/ PRIOR FILING DATE: 2000-03-14
/ PRIOR APPLICATION NUMBER: 60/190,401
/ PRIOR FILING DATE: 2000-03-17
/ PRIOR APPLICATION NUMBER: 60/190,231
/ PRIOR FILING DATE: 2000-03-17
/ NUMBER OF SEQ ID NOS: 75
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 40
/ LENGTH: 318
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ NAME/KEY: VARIANT
/ LOCATION: (20)
/ OTHER INFORMATION: wherein Xaa is any amino acid as defined in the
/ OTHER INFORMATION: specification
US-09-804-014A-40
```

```
Query Match      38.5%; Score 562.5; DB 10; Length 318;
Best Local Similarity 48.9%; Pred. No. 4,6e-41;
Matches 113; Conservative 45; Mismatches 64; Indels 9; Gaps 3;
```

```
QY 3 GKGWVKVIFKTPNQTFLERLNLFLKEGQTVSGMPALGOEGVSPATVPCISPEL 62
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 83 GKGWVKVIFKTPNQTFLERLNLFLKEGQTVSGMPALGOEGVSPATVPCISPEL 138
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 63 HLGGAMAHAPQPLP-MRYRKLRVSGSAVAPAESESEFWMLEQATEIVKEMPVTEAK 121
    :||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 139 EMNLITLDNVIGQLVESIVYKRLTLFSGKHPRAMRGNDPMLHETNEVLEEWQSDVEK 198
    :||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 122 KRLASLSLGPALDLHVIQADNPSTSVBCELEAFQVGSLSRRTAQRVLYKYQEG 181
    :||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 199 RRLMSLSLGPADVIRIKNNPALTITAECLKALQVGSVSSSRDAQIKPLNTYQNP 258
    :||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 182 EKXSAVYLLETLLRKAVKRAIPRIADQVRLQVMAQA---TLNQMLM 228
    ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 259 EKLSAVIRLEPLQKVEKALDKONVQARLEQVIAAHNSGATIRQLM 309
    ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

```
RESULT 14
US-09-804-014A-39
/ Sequence 39, Application US/09804014A
/ Publication No. US20030064489A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Li
/ APPLICANT: Padigaru, Muralidhara
/ APPLICANT: Vernet, Corine
/ APPLICANT: Fernandes, Elma
/ APPLICANT: Shimkets, Richard
/ APPLICANT: Spaderna, Steven
/ APPLICANT: Majumder, Kumud
/ TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
/ FILE REFERENCE: 15966-721 US
/ CURRENT APPLICATION NUMBER: US/09/804,014A
/ PRIOR FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/188,316
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 60/188,277
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 60/189,139
/ PRIOR FILING DATE: 2000-03-14
/ PRIOR APPLICATION NUMBER: 60/189,140
/ PRIOR FILING DATE: 2000-03-14
/ PRIOR APPLICATION NUMBER: 60/190,401
/ PRIOR FILING DATE: 2000-03-17
/ PRIOR APPLICATION NUMBER: 60/190,231
/ PRIOR FILING DATE: 2000-03-17
/ NUMBER OF SEQ ID NOS: 75
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/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 39
/ LENGTH: 321
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-804-014A-39
```

```
Query Match      38.3%; Score 560; DB 10; Length 321;
Best Local Similarity 48.6%; Pred. No. 7,7e-41;
Matches 119; Conservative 44; Mismatches 72; Indels 10; Gaps 4;
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```
QY 1 VQKGVKVIKTPNQTFLERLNLFLKEGQTVSGMPALGOEGVSPATVPCISPEL 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 82 IPKGGIWRVIFKPPDPNPTFLSRINEFLAGEGTVGLSPALGHENSLPDEQGMIDEM 141
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 LAHLGGAMAHAPQPLP-MRYRKLRVSGSAVAPAESESEFWMLEQATEIVKEMPVTEA 119
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 142 WAPMLAQAL-ELQALQCLKRYKRLRVSGSESPGEEFGWVFTTQMIKAMQVADV 200
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 120 EKXKWLASLGPALDLHVIQADNPSTSVBCELEAFQVGSLSRRTAQRVLYKYQEG 179
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 201 EKRRRLLESLSLGPALDVIRIKNNPALTITAECLQALEEFGVTDNPRELQVKTLYQX 260
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 180 EGEKVSAYVLLETLLRKAVKRAIPRIADQVRLQVMAQA---TLNQMLMCRLEKD 236
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 261 DEEKLSAVIRLEPLQKVEKALDKONVQARLEQVIAAHNSGATIRQLM 315
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 237 QGPP 241
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 316 DGPAP 320
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
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```
RESULT 15
US-09-804-014A-73
/ Sequence 73, Application US/09804014A
/ Publication No. US20030064489A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Li
/ APPLICANT: Padigaru, Muralidhara
/ APPLICANT: Vernet, Corine
/ APPLICANT: Fernandes, Elma
/ APPLICANT: Shimkets, Richard
/ APPLICANT: Spaderna, Steven
/ APPLICANT: Majumder, Kumud
/ TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
/ FILE REFERENCE: 15966-721 US
/ CURRENT APPLICATION NUMBER: US/09/804,014A
/ PRIOR FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/188,316
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 60/188,277
/ PRIOR FILING DATE: 2000-03-10
/ PRIOR APPLICATION NUMBER: 60/189,139
/ PRIOR FILING DATE: 2000-03-14
/ PRIOR APPLICATION NUMBER: 60/189,140
/ PRIOR FILING DATE: 2000-03-14
/ PRIOR APPLICATION NUMBER: 60/190,401
/ PRIOR FILING DATE: 2000-03-17
/ PRIOR APPLICATION NUMBER: 60/190,231
/ PRIOR FILING DATE: 2000-03-17
/ NUMBER OF SEQ ID NOS: 75
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 73
/ LENGTH: 312
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-804-014A-73
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Query Match      37.6%; Score 550; DB 10; Length 312;
Best Local Similarity 50.9%; Pred. No. 5,6e-40;
Matches 113; Conservative 41; Mismatches 66; Indels 2; Gaps 2;
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QY 1 VQKGVKVIKTPNQTFLERLNLFLKEGQTVSGMPALGOEGVSPATVPCISPEL 60
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Fri Apr 8 14:12:53 2005

us-10-037-860-11.rapb

Page 7

Search completed: April 8, 2005, 13:35:15
Job time : 64.213 sec

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: April 8, 2005, 11:48:54 ; Search time 35.5652 Seconds
(without alignments)
971,808 Million cell updates/sec

Title: US-10-037-860-13
Perfect score: 2423
Sequence: 1 MPTLLDPWCRGHEHLNTRC.....VESGNGNWMWDKSHPKSKAK 463

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74619064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/ptodata/1/1aa/Backfilltest1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2394	98.8	462	3	US-09-189-527-13
2	766.5	31.6	329	3	US-09-189-527-4
3	462.5	19.1	195	3	US-09-189-527-7
4	122	5.0	2293	3	US-09-368-590-2
5	113	4.7	706	4	US-09-949-016-8626
6	110.5	4.6	341	4	US-09-252-991A-20182
7	110	4.5	373	4	US-09-919-497-53
8	110	4.5	384	4	US-09-949-016-11663
9	110	4.5	718	4	US-09-252-991A-32743
10	104.5	4.3	499	4	US-09-902-540-14780
11	104	4.3	312	4	US-09-902-540-11860
12	104	4.3	383	4	US-09-489-039A-11848
13	104	4.3	2600	4	US-09-949-016-7309
14	103	4.3	551	4	US-09-583-110-5958
15	101.5	4.2	1201	4	US-09-252-991A-32259
16	101	4.2	550	4	US-09-538-092-1259
17	101	4.2	580	4	US-09-252-991A-22036
18	100	4.1	363	4	US-09-252-991A-26726
19	100	4.1	369	4	US-09-252-991A-22549
20	99.5	4.1	1050	4	US-09-555-554-2
21	99	4.1	520	4	US-09-949-016-8026
22	99	4.1	639	1	US-08-466-390-2
23	99	4.1	639	1	US-08-470-950-2
24	99	4.1	639	1	US-08-467-781-2
25	99	4.1	639	1	US-08-195-487-2
26	99	4.1	639	2	US-08-483-924-2
27	99	4.1	639	5	PCT-US93-06160-2

28	98.5	4.1	733	4	US-09-489-039A-12568	Sequence 12568, A
29	98.5	4.1	820	4	US-09-252-991A-23346	Sequence 23346, A
30	98	4.0	819	4	US-09-902-540-13635	Sequence 13635, A
31	97.5	4.0	776	4	US-09-252-991A-28446	Sequence 28446, A
32	97.5	4.0	2154	2	US-08-841-349-4	Sequence 4, Appli
33	97.5	4.0	2154	2	US-09-431-184A-4	Sequence 4, Appli
34	97	4.0	181	4	US-09-252-991A-26482	Sequence 26482, A
35	97	4.0	524	4	US-09-583-110-3291	Sequence 3291, Ap
36	97	4.0	541	4	US-09-252-991A-30867	Sequence 30867, A
37	97	4.0	545	4	US-09-107-433-3227	Sequence 3227, Ap
38	97	4.0	1958	1	US-07-945-283-2	Sequence 2, Appli
39	97	4.0	2108	4	US-09-252-991A-31502	Sequence 31502, A
40	96.5	4.0	406	4	US-09-252-991A-24973	Sequence 24973, A
41	96.5	4.0	771	4	US-09-252-991A-20455	Sequence 20455, A
42	96.5	4.0	773	4	US-09-913-301-5	Sequence 5, Appli
43	96.5	4.0	804	4	US-09-913-301-2	Sequence 2, Appli
44	96.5	4.0	849	4	US-09-252-991A-17953	Sequence 17953, A
45	96.5	4.0	920	4	US-09-252-991A-28918	Sequence 28918, A

ALIGNMENTS

RESULT 1									
US-09-189-527-13									
Sequence 13, Application US/09189527A									
Patent No. 6387639									
GENERAL INFORMATION:									
APPLICANT: Jerome B. Posner									
APPLICANT: Josep O. Dalmau									
TITLE OF INVENTION: Myrna R. Rosenfeld									
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma									
FILE REFERENCE: Antibodies									
CURRENT APPLICATION NUMBER: US/09/189,527A									
CURRENT FILING DATE: 1998-11-10									
NUMBER OF SEQ ID NOS: 14									
SOFTWARE: FASTSEQ for Windows Version 3.0									
SEQ ID NO 13									
LENGTH: 462									
TYPE: PRT									
ORGANISM: homo sapiens									
US-09-189-527-13									
Query Match									
Best Local Similarity 100.0%; Pred. No. 4.9e-247;									
Matches 457; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	7	ODMCRGHEHLNTRCMLILGIPEDCGEDBFETLOACRHIGRYVIGMFRRENAAIL	66						
DB	1	ODMCRGHEHLNTRCMLILGIPEDCGEDBFETLOACRHIGRYVIGMFRRENAAIL	60						
QY	67	LELADODIDYALPREIFGKSGPWEIVIKPRNSDSEFLNRLNPLFEERRRTVSDMNRVIGS	126						
DB	61	LELADODIDYALPREIFGKSGPWEIVIKPRNSDSEFLNRLNPLFEERRRTVSDMNRVIGS	120						
QY	127	DTNCSAPRVITISPEFWTMAQTLAGAIVOPLLEOMLYRELRYFSGNTISIPGALADAWLEH	186						
DB	121	DTNCSAPRVITISPEFWTMAQTLAGAIVOPLLEOMLYRELRYFSGNTISIPGALADAWLEH	180						
QY	187	TTEMLQWQVPEGKRRRLMECLRGPALOYVSGIRASNAITVEECALAOVGPRESH	246						
DB	181	TTEMLQWQVPEGKRRRLMECLRGPALOYVSGIRASNAITVEECALAOVGPRESH	240						
QY	247	KIAOVKCKYQVGEKVSFVLRLPELQRAVENNVSRNVQTRLKTVLSGATLPDK	306						
DB	241	KIAOVKCKYQVGEKVSFVLRLPELQRAVENNVSRNVQTRLKTVLSGATLPDK	300						
QY	307	LRLDKLKMQRKRPGLALVKLREEEWEATLGPDRSLGLEVAVRPPARITGVAV	366						
DB	301	LRLDKLKMQRKRPGLALVKLREEEWEATLGPDRSLGLEVAVRPPARITGVAV	360						
QY	367	PLPASGNSFDPARPEQGRRRRGQRHRRGVAARAGSGSKRRKRRHTTCYSGEDGHTRVQ	426						

Db 361 PLPASGNSFDARPSQYRRRCGRQRRGVARASRGSRKRRHTFCVSGEDSHIRVQ 420
QY 427 CINPSNLLLVKKOAAVSGNGNMAWMDKSHPKSKAK 463
421 CINPSNLLLVKKOAAVSGNGNMAWMDKSHPKSKAK 457

RESULT 2

US-09-189-527-4
Sequence 4, Application US/09189527A

Patent No. 6387639
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Paltau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 329
TYPE: PRT
ORGANISM: homo sapiens
US-09-189-527-4

Query Match 31.6%; Score 766.5; DB 3; Length 329;
Best Local Similarity 50.2%; Pred. No. 4,1e-73;
Matches 157; Conservative 50; Mismatches 103; Indels 3; Gaps 2;

QY 1 MPTLLQWCGEHNTRCMLILGIPEDCGEDEFEEFLQACRHLGRYVIGRMFRREE 60
Db 1 MAMTLEDCRCMDVNSQITLVKCI PVNCDAAEIEETLQAAIPQVS-YRMIGRMFRREE 59
QY 61 NAAVLELAODIDVALLPREIPGKGMEVIVKPRNSDGEFLNRLNLEBEERTVSDM 120
Db 60 NAKALLLELTGAVDYAALPREMPGKGWVKVLFKPTSDAEFLERHLFLAREGWTVDV 119
QY 121 NRVGSDTNCSPRTVTSPEFTWAGTGAADVQPLLEQMLYRELAVSGNTISIPGALA 180
Db 120 ARVLEFQNPPTPPGEMPAEMLVN--ILDNVIQPLVESIWKRLTLFSGKHPRAMRGNF 177
QY 181 DAWLEHTTEMLOMVOVPEGEKRRRLMECLRGPAQVVGSLRASNASIVEECIALAQOVF 240
Db 178 DPMLEHTBEVLESMQVSDVEKRRRLMESIRGPAADVIRILKSNPAITTAECTKALEQVF 237
QY 241 GPVESHKIAQVYLCKAYQAGEKVSFVLRLEPPLQRAVENNVVSRNVNQTRELKRVLSG 300
Db 238 GSVESRDQAQIKFNTYQNPBEKLSAVYIRLEPPLQKVEKCAIDKDNVNAQRLQVIAQ 297
QY 301 ATLPRKLDKXU 313
Db 298 ANHSGAIRQQLWL 310

RESULT 3

US-09-189-527-7
Sequence 7, Application US/09189527A

Patent No. 6387639
GENERAL INFORMATION:
APPLICANT: Jerome B. Posner
APPLICANT: Joseph O. Paltau
APPLICANT: Myrna R. Rosenfeld
TITLE OF INVENTION: Ma Family Polypeptides and Anti-Ma
Antibodies
FILE REFERENCE: SLK98-01
CURRENT APPLICATION NUMBER: US/09/189,527A
CURRENT FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 7
LENGTH: 195
TYPE: PRT
ORGANISM: homo sapiens
US-09-189-527-7

Query Match 19.1%; Score 462.5; DB 3; Length 195;
Best Local Similarity 47.7%; Pred. No. 5,9e-41;
Matches 93; Conservative 34; Mismatches 65; Indels 3; Gaps 2;

QY 2 PLTLQWCGEHNTRCMLILGIPEDCGEDEFEEFLQACRHLGRYVIGRMFRREEN 61
Db 1 PLALLEDCRCMDVNSQITLVKCI PVNCDAAEIEETLQAAIPQVS-YRMIGRMFRREE 60
QY 62 AAVLELAODIDVALLPREIPGKGMEVIVKPRNSDGEFLNRLNLEBEERTVSDM 121
Db 61 ANAVLELEEDTDVSAIPSEVQKGVKVIKFPNDTTEFLERHLFLAREGQTVSGMF 120
QY 122 RVGSDTNCSPRTVTSPEFTWAGTGAADVQPLLEQMLYRELAVSGNTISIPGALA 179
Db 121 RALQGEALSPATVPCISPELLAHLLQAMAHAPQPLT-PMYRKLRYVSGSAVAPAREES 179
QY 180 FDAWLEHTTEMLOVM 194
Db 180 FEVWLEQATEIVKEM 194

RESULT 4

US-09-368-590-2
Sequence 2, Application US/09368590

Patent No. 6187563
GENERAL INFORMATION:
APPLICANT: Solimena, Michele
TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR
TREATMENT OF AUTOIMMUNE DISEASES
FILE REFERENCE: 101918-200 (OCR-941)
CURRENT FILING DATE: 1999-08-04
EARLIER APPLICATION NUMBER: 60/095,657
EARLIER FILING DATE: 1998-08-07
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 2293
TYPE: PRT
ORGANISM: Human
US-09-368-590-2

Query Match 5.0%; Score 122; DB 3; Length 2293;
Best Local Similarity 25.1%; Pred. No. 0.0096;
Matches 100; Conservative 57; Mismatches 144; Indels 98; Gaps 24;

QY 60 ENAAILLELAODIDVALLPREIPGK-----GGPWEVIVKPRNSDGEFL--NR 105
Db 733 EPROALLEEA-----ALAEFPQAAXLHOGABEIGAEMGALASAAQCGEVAALAGR 787
QY 106 LNRLEBEERTVSDMNVVLGSDTNCSPRTVTSPEFTWAGTGAADVQPLLEQMLYRE-- 163
Db 788 LQRFHLDLDAFLDVLVAQAGASGEP-----LPNSLEADALLARIALKEVDQREED 843
QY 164 LRVFSGN--TISIPG-----LAFDAWLEHTT-----ENLQMQVPEGEKRRRLMEC-- 208
Db 844 YARIVAASEALLAADGELPGALDEMPLBELGWLKGLAKA-----RRKALVQAHY 899
QY 209 ---LRG--PALQVVG--LRASNASI--TYEECIAALQOVFGPVESHKIAQVYLCKAYQ 259
Db 900 QLFPLRDRLAVLVDRNEMALSGAELPGTVESVEBALKQIRDLUTMELSDQGMQAVVQA 959
QY 260 A-----GEKVSFVLRLEPPLQRAVENNVVSRNV-----NQTRELKRVLS-----G 300
Db 960 AEGILRGQNTYGEQAQAVTR---LLEKNQENDLRAQOQWQKXLDQELQHFPLRDCHELD 1016
QY 301 ATLPRKLDKXU-----RDKLMLKQRRKPPGFALVVKLREBEEMEATL---GPDRESLE- 348

Db 1017 GATHEGMLARDGTRDNKHKRWLRHQAFAA---ELQNMENMEKIEREGADTAGA 1073
 QY 349 ---GL--EVAPRRPARITGVGA-VPLPASGNSFDPARPSQ 381
 Db 1074 RTGGLABEAGRDPVLGGNGEHHPPRHSSSL--RPSK 1110

RESULT 5

US-09-949-016-8626
 ; Sequence 8626, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; PRIOR FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FASTSEQ for Windows Version 4.0
 ; SEQ ID NO 8626
 ; LENGTH: 706
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-949-016-8626

Query Match

4.7%; Score 113; DB 4; Length 706;
 Best Local Similarity 21.4%; Pred. No. 0.013;
 Matches 84; Conservative 57; Mismatches 150; Indels 102; Gaps 20;

QY 19 RCMLIGIPEDGCEDEFEETLOEACRHLGRYVIGMFRREBNQAALLLEADIDYALL 78
 Db 243 RCLKTEVEBENTAEITRVLVEFTIEMG---ISAKVFQATTYGGDIYKACGLDVAV- 298
 QY 79 PREIPCKG---GPWEVIVKPRNSDGEFLNRLNRLFLSEERRRTVSDMNRVLSGDTNCS-A 132
 Db 299 --HMPGLGHTFNNGIQAAFGLPRL--GALLSRCKLVEFGQSAVAMMYLKEKQXQANVA 354
 QY 133 PRTTIPPEFTWQOTIGAAYQPLLEQMLVRELAVFSGNTSISGALAFDAMLEHTTEMQ 192
 Db 355 HCMVLVSNRVSMGSLT-AMQLRKEQFV-----IAGVLVEDSNHNLMLLEAS 401
 QY 193 MNCVPGCKRRRLMECLRSPALQVNSGLRAS-----NASITVEECIAL 236
 Db 402 EMATIGS---LVELLQ-PFKQVAEMLSRSRPTISMVKPLMLMLNTLNKE----- 450
 QY 237 QOVFGVESHKIAQVR---LCKAYOAGE---KISSFVLRLLEPLLQOR-----AYE 280
 Db 451 ----TDSKELSMAYEVIKELSKTYOETPEIDMFLNATF---LDPYKRLPFLSAFE 501
 QY 281 MNVSRNRVNRQTR--LKVYLSGATLPPKLDKL-----KLKQRRKPPGFL--A 325
 Db 502 RQGVNRNVBEAGGLDKVKGGRP--ABDKIFPVPEEPVKKLMRTSTPPASVANNM 559
 QY 326 LVKL-----LREEWEATLGPDRLEGLEAV 352
 Db 560 LAEIFCOTGVEDOEEMHQAQVVELSNFKSKQV 592

RESULT 6

US-09-252-991A-20182
 ; Sequence 20182, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Mateo J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 20182
 ; LENGTH: 341
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-09-252-991A-20182

Query Match

4.6%; Score 110.5; DB 4; Length 341;
 Best Local Similarity 24.3%; Pred. No. 0.007;
 Matches 66; Conservative 22; Mismatches 109; Indels 75; Gaps 11;

QY 208 CLRGPALQVSGLRASNASITVEECIALAQVFGVESHKIAQVYLCKA----- 256
 Db 16 CLGCP---VDGHPAKHASTLRGNGRKLHGVRAAQHHN---RLCFAGGGQPRDAPAH 67
 QY 257 ----YQEA---GEKVSFVLRLLEPLLQRAVENNVSRNVNQTRLKRVLSGATLPDK 306
 Db 68 PPAOPYHSHRPHRGRPALPALRADPRLRSGRGR--SQRRPCTPRQ--AEAAFDPR 122
 QY 307 LADKLKMKQRRKPPGFLATVYLREBEWEATLGPDRLE----- 348
 Db 123 HRPALDRPHRRLP--AVPRDRPDRGQPRADPARQLRRGRGCLRAARFLHPPA 179
 QY 349 -----GLEVAPRRPARITGVGA-VPLPASGNSFDPARPSQYRR--RRGQQRH 394
 Db 180 HRRDLQSLRLAGVAPRERHARFAQAGQPRLPAPGQFAGSLAVRSQRPNGLHRR 239
 QY 395 ----GVAFASGRSGRKRKRTFTYSCGEDGH 422
 Db 240 LAVPGCRRRRHGRGNPLRTGHR--HPAGVGH 269

RESULT 7

US-09-919-497-53
 ; Sequence 53, Application US/09919497
 ; Patent No. 6773883
 ; GENERAL INFORMATION:
 ; APPLICANT: Muller, George L.
 ; TITLE OF INVENTION: PROGNOSTIC CLASSIFICATION OF ENDOMETRIAL CANCER
 ; FILE REFERENCE: B0801/725
 ; CURRENT APPLICATION NUMBER: US/09/919,497
 ; CURRENT FILING DATE: 2001-07-31
 ; PRIOR APPLICATION NUMBER: US 60/221,735
 ; PRIOR FILING DATE: 2000-07-31
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 53
 ; LENGTH: 373
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-919-497-53

Query Match

4.5%; Score 110; DB 4; Length 373;
 Best Local Similarity 24.2%; Pred. No. 0.0092;
 Matches 97; Conservative 49; Mismatches 144; Indels 110; Gaps 20;

QY 22 LILGIPEDGCEDEFEETLOEACRHLGRYVIGMFRRE-----NAQALLLEAD 72
 Db 20 VVCGVSEOTTCEVVIALLAQAIGOTGRFVLVQRLAKEREQLLPORCPVGAQNTCCGFASD 79
 QY 73 IDYALLPREIPCKG-----PWE-----VIVPRNSDGEFLNRLNRLFLSEERTV 117
 Db 80 VQF-VLRRTPSLAGSPSSDCPPERCILIRASLTPVKPFAALG-----CEPRKTL 128
 QY 118 SDNRVLSGDTNCSAPRVITISPEFTWQTLGAAVQPLLEQMLVRELAVFSGNTSISIGA 177

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Db      129 TPEAPSLSRPAP--VTPTGCCCTDRLGELRLVONNAEEL-----GH 171
Qy      178 LADAMLEHTTEMLOMMQVREGKRRRLMECLGAPLQVSSGRASNA---SITVECLA 234
Db      172 EAF--W---EQLRREGAREREGQARL-QALSAATLHAARLQALDQARLAEALQLA 224
Qy      235 ALQOVFGR-----VESHKIAQVK---LCKAYOAGEKVSFVLRLLEPL 274
Db      225 A--EAPRPPPMASATERLHODLAVQERQSAEVOGSLAVSRALAEARA-----LQAQ 276
Qy      275 LQRAVENNVVSRNNVOTRLKRVL--SGATLPDKLRDKLKLMQKRRKPPGFALVKLRE 332
Db      277 AQELEELN---RELRCNLOQFIQOTGALPPPPRPD-----RGPFGTQGPLPPARE 325
Qy      333 EEMEATLGPDRRESLEGLAVPR---PPARITGVAVPLP 369
Db      326 ----ESLLGAPSESHAGAPRPRGGRPHDAELLEVAAPAP 361

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RESULT 8

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US-09-949-016-11663
; Sequence 11663, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CU001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 11663
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-11663

```

Query Match 4.5%; Score 110; DB 4; Length 384;

Best Local Similarity 24.2%; Pred. No. 0.0097;

Matches 97; Conservative 49; Mismatches 144; Indels 110; Gaps 20;

```

Qy      22 LILGIPEDCGEDEFEEETLQACRHLYGVYIGMFRRE-----NQAILLLELAOD 72
Db      31 VVGVVSQTTQCEVIVLAQALIGQGRFVLVQRLREKERQLDQECFVGAQATCGQFASD 90
Qy      73 IDVALLRELPKGGK-----PWE-----VIVPRNSDGEFLNRKRFLEERTV 117
Db      91 VQF-VLRRTPSLAGRPSSDCPPERCILRASLPVPRALG-----CEPRKTL 139
Qy      118 SDNRVLSGSDTNCSPAVTTISPEFTWAQTLGAAVQPLLEQMLYRELVEFSGNTISIGA 177
Db      140 TPEAPSLSRPAP--VTPTGCCCTDRLGELRLVONNAEEL-----GH 182
Qy      178 LADAMLEHTTEMLOMMQVREGKRRRLMECLGAPLQVSSGRASNA---SITVECLA 234
Db      183 EAF--W---EQLRREGAREREGQARL-QALSAATLHAARLQALDQARLAEALQLA 235
Qy      235 ALQOVFGR-----VESHKIAQVK---LCKAYOAGEKVSFVLRLLEPL 274
Db      236 A--EAPRPPPMASATERLHODLAVQERQSAEVOGSLAVSRALAEARA-----LQAQ 287
Qy      275 LQRAVENNVVSRNNVOTRLKRVL--SGATLPDKLRDKLKLMQKRRKPPGFALVKLRE 332
Db      288 AQELEELN---RELRCNLOQFIQOTGALPPPPRPD-----RGPFGTQGPLPPARE 336

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Qy      333 EEMEATLGPDRRESLEGLAVPR---PPARITGVAVPLP 369
Db      337 ----ESLLGAPSESHAGAPRPRGGRPHDAELLEVAAPAP 372

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RESULT 9

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US-09-252-991A-32743
; Sequence 32743, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32743
; LENGTH: 718
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-32743

```

Query Match

4.5%; Score 110; DB 4; Length 718;

Best Local Similarity 21.7%; Pred. No. 0.027;

Matches 70; Conservative 31; Mismatches 93; Indels 128; Gaps 16;

```

Qy      242 PVESHKIAQVKLCKAYOAGEKVSFVLRLLEPL-----LQRAYE----- 280
Db      122 PEKPHVHERPRHVDVQPCGRATR---RLSPRPPRRRTDRHAGCGGPRGRALHARA 178
Qy      281 -----NNVVSRRNVQTLKRVLSGATLPDKLRDKLKLMQKRRKPPG---FLALV 327
Db      179 DGHRRCLHPLDPAKRGGLRRRLRGAV--ANLPSRARDH---GYRRRAGGGLRLGLA 232
Qy      328 KILREEMEATLGPDRRESLEGLAVAPREP-ITG-----VGAVPLPASGNSP 375
Db      233 QRTVPDARTRPADRRRRRLRRRAPAPARGTRGGCGGRPLPAGATQPA----- 287
Qy      376 DAPSGGYRRRG-----RQGR----- 393
Db      288 -GPPQGMQLRRPDRCPAPFPSPSAGGAGHLRGRPAVYRRAPRGSGORKVAAAG 346
Qy      394 RGVNAPAGSGSRK-----RKHTFCVSCGHDGHRVQCIKPSNLL-----VKOK 439
Db      347 RGGPGAGLPAHRRRHFGLPRRHSTRPA---DGH-RAGLPGRSGLGAGADPAVRHR 402
Qy      440 KQAAVESGNGNMAWDKSHPKSK 461
Db      403 AHQPAFGRG-----HPRPR 417

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RESULT 10

```

US-09-902-540-14780
; Sequence 14780, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: MYXOCOCCUS XANTHUS Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 14780

```

LENGTH: 499
 TYPE: PR
 ORGANISM: Myxococcus xanthus
 US-09-902-540-14780

Query Match
 Best Local Similarity 4.3%; Score 104.5; DB 4; Length 499;
 Pred. No. 0.058;

Matches 99; Conservative 45; Mismatches 124; Indels 145; Gaps 23;

QY 31 GDEDE-----ETLOACRHLGRVIGMPPRENAQILLETLOD--IDVA 76
 DB 163 GDEGGEDLLITHDNVFCIAQODAR-----RRDTINGLPDVAEGRVIDY- 209
 QY 77 LIPREIPGKGPWEVIVKPRNSDGEFLNRLNLEERRTVSQDNRVLSGDNCAPIV 136
 DB 210 -----VRGR-----RDDRIRITIG--DEVMRMDPRLIAVAV--PAKLIG 249
 QY 137 ISPEFTMAQTLGAAYOPLE---OMLYRELRVSGNTISIPGALAPAMLEHTTEMQ 192
 DB 250 LDIESRTYAMEG-AVEDLPACAPALLETETRLIRGG-VSAPALKLDA-----LDALK 302
 QY 193 MNQVP-----EGEGR-----RRLMECLRGPAQVSGLRASNASITVEECL 233
 DB 303 ILPPNAYLKQHGKGEKTFYAFASLDR-----VSAGEALDDAILLAML 350
 QY 234 AALQVGFVESHKIAQVLCRKYOPAGEKVSFVLRLLEPLIQRAVENNVSRNVNQR 293
 DB 351 IPIRSTGPDES-----QGRPSVSGV--BDLAGFVQSARLPRIERCR 395
 QY 294 L-----KRVISGATLPKLDKLMQKRRKPGF---LALVKLREEEMEATIGPDE 345
 DB 396 MLLAQRTLSG-----ERRRSAAFKHPFSEALIVFEMTVEAT-GENRE 440
 QY 346 SLEGLVAPRRPARITGVAVPLP---ASGNSFDPAPGQYRRRGQCHRR 394
 DB 441 QLEAWK-----AGEVPOPRAAADGESDA---CGQKRRRRRRRR 479

RESULT 11

US-09-902-540-11866
 Sequence 11866, Application US/09902540

Patent No. 6833447
 GENERAL INFORMATION:
 APPLICANT: Goldman, Barry S.
 APPLICANT: Hinkle, Gregory J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Wiegand, Roger C.
 TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
 FILE REFERENCE: 38-10(15849)B
 CURRENT APPLICATION NUMBER: US/09/902,540
 PRIOR FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: 60/217,883
 PRIOR FILING DATE: 2000-07-10
 NUMBER OF SEQ ID NOS: 16825
 SEQ ID NO 11866
 LENGTH: 312
 TYPE: PR
 ORGANISM: Myxococcus xanthus
 US-09-902-540-11866

Query Match
 Best Local Similarity 4.3%; Score 104; DB 4; Length 312;
 Pred. No. 0.03;

Matches 67; Conservative 30; Mismatches 84; Indels 98; Gaps 15;

QY 227 ITVEECLALQ--VFGFVESHKIAQVLCRKYOE-----GEKVSFVLRLLEPL 274
 DB 15 IELRSIDANDHFPVILGKCAPSEYK--QAYYNAARRPHPRYFKNGSFRARWRI 72
 QY 275 LQRAVE--NNVSRNVNQRILKRVLSGATLPDK---LRDKLKMQR--KPP 321
 DB 73 FRRLTDANVLMQ-----PDKREAVILANPALAQERAAAPPPSAP 115
 QY 322 GFLALVKLREEEMEATIGPDRRESLGLVAPRRPARITGVAVPLPAGNSFDAR-- 379

DB 116 PSAPQHLLTPP-----PVYQLSSPPRPPVASSGSPSSILPP-----SRPLA 161
 QY 360 -----SQYRRRRRGQHRGGVAPAG-----SGSRKRRKHTCYSCGE 419
 DB 162 PPPDGAASEARAEQARLAPHYIARTGRILAEILARGKALIASGDWERAVHDF----- 215
 QY 420 DGHIRVQGINSPN---LLVYKQK-----QAAVESNG 449
 DB 216 --H-QVQTMDEPKNEVALLLVKARRGHDSDQRTLEVARQ 251

RESULT 12

US-09-489-039A-11848
 Sequence 11848, Application US/09489039A

Patent No. 6610836
 GENERAL INFORMATION:
 APPLICANT: Gary Breton et. al
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 2709.2004001
 CURRENT APPLICATION NUMBER: US/09/489,039A
 PRIOR FILING DATE: 2000-01-27
 PRIOR APPLICATION NUMBER: US 60/117,747
 PRIOR FILING DATE: 1999-01-29
 NUMBER OF SEQ ID NOS: 14342
 SEQ ID NO 11848
 LENGTH: 383
 TYPE: PR
 ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-11848

Query Match
 Best Local Similarity 4.3%; Score 104; DB 4; Length 383;
 Pred. No. 0.042;

Matches 60; Conservative 44; Mismatches 91; Indels 72; Gaps 12;

QY 114 RRTVSDMNRVLSGDNCAPIVITISPEFTMAQTLGAAYOPLEOMLYRELRVSGNTIS 173
 DB 118 QCGAIELHR-CRSEITCTLRATISSFTIHRNNDIAHNLAQ---VRD-----K 164
 QY 174 IEGALAFAMLEHTTEMLOMQVPEGEKRRRLMECLRGPAQVSGLRASNASITVEECL 233
 DB 165 ISGAA-----RCGRAPBEVTLLAVKTKPKASAIIEAI 197
 QY 234 AALQVGFVESHKIAQVLCRKYOPAGEKVSFVLRLLEPLIQRA-----VENNVSRNV 289
 DB 198 AAGORAFG--ENV-----VOEGVEKINH-----QOAGVSGLOWHFTGPLOS 237
 QY 290 NOTRL-KRVLSGATLPKLDKLMQKRRKPGFVLAVKLRE---EEEMEATIGPDRS 346
 DB 238 NKSRLVAHEHFDWCHTVDRKIKITRLNEQR---PAHLPLKVLQINISDSQSGIPLA 294
 QY 347 LEGL--EVAPRRPARITGVAVPLPAS 371
 DB 295 LDGLAIELHLELRLGLMAIPAPES 321

RESULT 13

US-09-949-016-7309
 Sequence 7309, Application US/0949016

Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CL001307
 CURRENT APPLICATION NUMBER: US/09/949,016
 PRIOR FILING DATE: 2000-04-14
 PRIOR APPLICATION NUMBER: 60/241,755
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/237,768
 PRIOR FILING DATE: 2000-10-03
 PRIOR APPLICATION NUMBER: 60/231,498

;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 7309
;; LENGTH: 2600
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-7309

Query Match 4.3%; Score 104; DB 4; Length 2600;
Best Local Similarity 23.3%; Pred. No. 1;
Matches 84; Conservative 52; Mismatches 125; Indels 100; Gaps 19;

QY 60 ENAATLLELAQIDVALPREIPIK-----GGPWEIVYPRNSDGEFL--NR 105
DB 1071 EPRQALLBEA-----ALTAERFPQAAHLHOGAEELGAEWGLASAOQCGEVAAGR 1125
QY 106 LNRFLBEERTVSDNNRVLSGSDTNCAPRVITSPFEFTWAOTLGAAVOPLLEOMLYRE-- 163
DB 1126 LQRFHLDLDAFLDMLVRAQEAAGSGEP---LPSGLEADALLAHNALKEEVDPQRED 1181
QY 164 -LRVFGN--TISIPR-----LAPAMLEHTT---EMLOMQUVEGEXRRRLMEC--- 208
DB 1182 YARIVASEALLAADAAGLPGALDEWLPHELGHWKLLGLEA---RREALVQAHY 1237
QY 209 ---LRG--PALQVSG--LRASNASI--TYEECTALQOVFGPVESHKIAOVYLCAYOE 259
DB 1238 QLFRLRLQALVVLRRQEMALSGAELPGTVESEVELKQHRDFLTMLSSQKMQVAVQA 1297
QY 260 A-----GKVSFVLRLEPLIQRAVENNVSRNVNQTRLKRVLSGATLPDKLRD 309
DB 1298 AEGLLRQNIYGEAOAEAVTRL-----LEKQENQLRAQOMW-----QKLDH 1339
QY 310 KKLK---MKQRKRPGEFLVVKL-----REE-----EEWEATLGPDRLEGL 350
DB 1340 QLELQFLRDCHELDGMIHEKMLMARDSTREDNHKLHKWLRHQAEALQKWELEKI 1399
QY 351 E 351
DB 1400 E 1400

RESULT 14
US-09-583-110-5058
;; Sequence 5058, Application US/09583110
;; Patent No. 6699703
;; GENERAL INFORMATION:
;; APPLICANT: Lynn Doucette-Stamm et al.
;; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
;; FILE REFERENCE: PAT00-07A
;; CURRENT APPLICATION NUMBER: US/09/583,110
;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: US 09/107,433
;; PRIOR FILING DATE: 1998-06-30
;; PRIOR APPLICATION NUMBER: US 60/085,131
;; PRIOR FILING DATE: 1998-05-12
;; PRIOR APPLICATION NUMBER: US 60/051,553
;; PRIOR FILING DATE: 1997-07-02
;; NUMBER OF SEQ ID NOS: 5322
;; SEQ ID NO 5058
;; LENGTH: 551
;; TYPE: PRT
;; ORGANISM: Streptococcus pneumoniae
US-09-583-110-5058

Query Match 4.3%; Score 103; DB 4; Length 551;
Best Local Similarity 21.5%; Pred. No. 0.098;
Matches 91; Conservative 63; Mismatches 163; Indels 106; Gaps 21;
QY 31 GEDEFETLOEA--CHRLGRYV--IGRMFRREBNQAAILL-----ELAODIDVALPREI 82
DB 99 GVDEIRIDKSTYASTARAYKYLIDVYHMLSTGAFNALKTLEPTQNVFILTATTEL 158

QY 83 PGKGPWEIVYPRNSDGEFLNRLNRFLEERT---VSDNNRVLSGDTNCSAPR-VTIS 138
DB 159 -----HKIPATILSRVORPEPKSIKTODICEKHVILEKENISSEPAVEII 205
QY 139 PEFMTWAOTLGAAVOPLLEOMLYRELAVFSGNTIS-----IPGALAFDAMLEHTTEMLO 192
DB 206 -----ARAEGBMDAL-STLDQALSLTGNELTALISEETGTISLSA-LDDVVAALS 257
QY 193 MQQVE-----GKRRR---LMECIRGPALQVSGLRASNSITVECLALQ 237
DB 258 QODVKAALSCINLLEFDNCKSMTRFVTDLHYLRDLIIYOTGGEINTHSSVFENALPQK 317
QY 238 QVFGVESHKIAOVYLCAYOAGSKV--SGFVRL-----EPLLRVENVNVSRRVNV 290
DB 318 NLF---EMIRLTVVLADIKSSLQPKIYAEEMTVLAEIKPEPALSGAVENBIATLRO-E 373
QY 291 QTRLKRVLSGA-TLPDKL-----RDKLKLKQRRKPPGEFLAVVKLRE 332
DB 374 VARLQELSNMGAVKQVAPASRPATGKTVYRVDRNKVQSIQDAVENPDLARQNLRL 433
QY 333 EEW---EATLGPRESLEGLVAPRPAITGVGAVPLPASGN---STDAFSGQYR 384
DB 434 QNMGSEVIESLGGPKALL-----VGSQPVANEHHAIIAFESNFNAQT 478
QY 385 RRR 387
DB 479 MKR 481

RESULT 15
US-09-252-991A-32259
;; Sequence 32259, Application US/09252991A
;; Patent No. 6551795
;; GENERAL INFORMATION:
;; APPLICANT: Marc J. Rubenfield et al.
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;; FILE REFERENCE: 107196.136
;; CURRENT APPLICATION NUMBER: US/09/252,991A
;; PRIOR FILING DATE: 1999-02-18
;; PRIOR APPLICATION NUMBER: US 60/074,788
;; PRIOR FILING DATE: 1998-02-18
;; PRIOR APPLICATION NUMBER: US 60/094,190
;; PRIOR FILING DATE: 1998-07-27
;; NUMBER OF SEQ ID NOS: 33142
;; SEQ ID NO 32259
;; LENGTH: 1201
;; TYPE: PRT
;; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32259

Query Match 4.2%; Score 101.5; DB 4; Length 1201;
Best Local Similarity 20.7%; Pred. No. 0.52;
Matches 98; Conservative 58; Mismatches 155; Indels 163; Gaps 20;
QY 37 ETLQACRHLGRY-----RVIGRMF---RRENAQAIILELAODIDVALPREI 82
DB 645 ETLQALALQORALDDGESLISRDGVMGRHRLVRRSDEAGSMIARQDELE-ALQERE 703
QY 83 PGKGPWEIVYPRNSDGEFLNRLNRFLEER-----RRTVSDNNRVLSGDTNCSA 132
DB 704 P-----LETVSEGE--ERLAAARDEQRELEGAREQVRRQVOEGRHHGE----- 746
QY 133 PRVTISPEFTWAOTLGAAVOPLLEOMLYRELAVFSGNTISIPGALAFDAMLEHTTEMLO 192
DB 747 -----LKAQUSAQQAKEYQVLYLRKRL-----DEVAELAEQRA 780
QY 193 MQQVEGEXRRRLMECLRGALQV----- 216
DB 781 LEQQLSEARLTLQDALDSMALDTERRETLAERDALRELRDRIQDARTKHAHQAV 840
QY 217 -VSGLRASNASTIYVECLALQOVFGPVESHKIAOVYLCAYOAGSKVSFVLRLEBLL 275

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Db      841 RVGSLKAOHNS--TQOALERLDQOARL--NERCEOLNL--NLEGAAPLEELMKLELL 895
Qy      276 OR--AVENNV-----VSRNVNQTRLKREVLGATLPDKLR-----DKLK 312
Db      896 ERMMAVEDEIKOARLLEBDADRELREVEKRGQAEQOQOLRGQLEQORLEWOGIVVRK 955
Qy      313 LMKORRPPGF-----LALVKLREBEWEATLGPDRSLEGLEVAPPPARIITGVAVP 367
Db      956 ALQEQLAEDGYDLHTVLANLPUDASERDWE-----ERLESU-----AARIQRLGPIN 1002
Qy      368 LPASGNSFDPARPCGYRRRRRGQH-----RRCGVAPAGSRGSRKRRKHTF 413
Db      1003 LAA----IEEYQOQSERKRYLDSQNDDLAEVALETTLENVIRKIDRETRNRKETF 1052

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Search completed: April 8, 2005, 12:52:59
 Job time : 37.5652 secs


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Db      121 NRVLSDTNCAPRTVTSPEFTWTAQTGAAVQPLLEGVLRYELVFSGNTISIGALAF 180
      181 DAMEHTTEMLQMOVPESEKRRRLMECLRGPALQVSGLRASNSITVECTLAALOOF 240
      181 DAMEHTTEMLQMOVPESEKRRRLMECLRGPALQVSGLRASNSITVECTLAALOOF 240
      241 GPVESHKIAQVLCAYQAGEKVSFVLRLEPLLOAVENNVVRRNNVQTRLKRVLSG 300
      241 GPVESHKIAQVLCAYQAGEKVSFVLRLEPLLOAVENNVVRRNNVQTRLKRVLSG 300
      301 ATLPRDKRLKLMKORRKPFGFLALVYKLLRESEEMBATLGPDRSEGLLEVAPRPARI 360
      301 ATLPRDKRLKLMKORRKPFGFLALVYKLLRESEEMBATLGPDRSEGLLEVAPRPARI 360
      361 TGCVAVPLPASGNSDARPSQGYRRRRRGQHRRGVAVARAGSRGKRKRHTFCYSCGD 420
      361 TGCVAVPLPASGNSDARPSQGYRRRRRGQHRRGVAVARAGSRGKRKRHTFCYSCGD 420
      421 GHIRVOCINPSULLVKOKKAAVESGNGNMAWMDKSHPKSKAK 463
      421 GHIRVOCINPSULLVKOKKAAVESGNGNMAWMDKSHPKSKAK 463

RESULT 2
US-10-408-765A-2385
; Sequence 2385, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Tabor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warrick, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; CURRENT FILING DATE: 2003-04-04
; CURRENT APPLICATION NUMBER: US/10/408,765A
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2385
; LENGTH: 452
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-408-765A-2385

Query Match      36.5%; Score 883.5; DB 16; Length 452;
Best Local Similarity 42.6%; Pred. No. 5,6e-71;
Matches 201; Conservative 75; Mismatches 155; Indels 41; Gaps 10;

      1 MPTLLQDMCGEHLNTRRCMLILGIPEDCGDEFEETLOEACRHLCGRYVIGMFRREE 60
      5 MALTLLQDMCGEHLNTRRCMLILGIPEDCGDEFEETLOEACRHLCGRYVIGMFRREE 64
      61 NQAAILLELAODIDYALLPREIPGKGPMVEYVVRPNRSDGDFLNLNRLPREEERTVSDM 120
      65 NAKAVFIELADIVNTTLPSTHIFGKSGNEVVVVRKRNDDDELSTLNTFLWDEGSKMDV 124
      121 NRVLSDTNCAPRTVTSPEFTWTAQTGAAVQPLLEGVLRYELVFSGNTISIGALAF 180
      125 AVALTC---CSLPASESLDAE--VMPQVRSPPLEPKESWVYKLVFSGTASPSPGETEF 179
      181 DAMEHTTEMLQMOVPESEKRRRLMECLRGPALQVSGLRASNSITVECTLAALOOF 240
      180 EMTLQVTEIMPITWOSEVEKRRRLMESLRGPAISIMRYLVONNDSITVECTLAALOOF 239
      241 GPVESHKIAQVLCAYQAGEKVSFVLRLEPLLOAVENNVVRRNNVQTRLKRVLSG 300
      240 GKDEPRASQPRFLQTSFKIGEKVSTFLRLRLPLQKAVHKSPLSLVSGTDMIRLKHLLAR 299

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      301 ATLPRDKRLKLMKORRKPFGFLALVYKLLRESEEMBATLGPDRSEGLLEVAPRP 356
      300 VAMTPALRGKLELDQGCCPNFLEMLKLTREDEEMTEAVMKNKKPSRGKGASGRQ 359
      357 PARITGVAVPLPASGNSF-DARPS--QG-----YRRRRRGQHRRGVAVARAGSRGKR 408
      360 ARAEASVAPQATVQARSFSDSPQTIGCLPLVKRRR-----LLGSESTR-- 406
      409 KRHTFCYSCGEDGHIRVOCINPSULLVKOKKAAVESGNGNMAWMDKSHPK 459
      407 -----GSD-HQAITYPAENQTPRGREGPOAAAGSELNAGAGAMSHPK 448

RESULT 3
US-09-965-529-7
; Sequence 7, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dyung Alma M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PP-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 2483172CD1
; US-09-965-529-7

Query Match      33.8%; Score 818; DB 9; Length 353;
Best Local Similarity 49.6%; Pred. No. 3,3e-65;
Matches 172; Conservative 52; Mismatches 113; Indels 10; Gaps 4;

      1 MPTLLQDMCGEHLNTRRCMLILGIPEDCGDEFEETLOEACRHLCGRYVIGMFRREE 60
      1 MALTLLQDMCGEHLNTRRCMLILGIPEDCGDEFEETLOEACRHLCGRYVIGMFRREE 59
      61 NQAAILLELAODIDYALLPREIPGKGPMVEYVVRPNRSDGDFLNLNRLPREEERTVSDM 120
      60 NAKAVFIELADIVNTTLPSTHIFGKSGNEVVVVRKRNDDDELSTLNTFLWDEGSKMDV 119
      121 NRVLSDTNCAPRTVTSPEFTWTAQTGAAVQPLLEGVLRYELVFSGNTISIGALAF 180
      120 ARVLGFPNPTPTPEPRPAMLVN--ILDNVIGQLVESINYKLTLSFGNDIPERGSETF 177
      181 DAMEHTTEMLQMOVPESEKRRRLMECLRGPALQVSGLRASNSITVECTLAALOOF 240
      178 DPMLEHTNEVLEEQVSDVDEKRRRLMESLRGPAADVIRIKSNPALTAECLALEQVF 237
      241 GPVESHKIAQVLCAYQAGEKVSFVLRLEPLLOAVENNVVRRNNVQTRLKRVLSG 300
      238 GSVSSSDAQIKPLNTYONGKLSAVYIRLEPLQVNEKGAIDKNNVQARLEQVIAG 297
      301 ATLPRDKRLKLMKORRKP-PGFLALVYKLLR-----EEMEBATL 340
      298 ANHSGAIRQMLWLTGAGEGPAPMLFOLLVOIREBEAKEEEMEBATL 344

```

RESULT 4
US-09-969-680A-7

Sequence 7, Application US/09969680A
Publication No. US20030124649A1

GENERAL INFORMATION:

APPLICANT: LAL, Precelt, YUE, Henry

APPLICANT: TANG, Y. Tom; BANDMAN, Olga

APPLICANT: BUREFORD, Neil; AZIMZAI, Yalda

APPLICANT: BAUGHN, Mariah R.; LU, Dying Aina M.

APPLICANT: PATTERSON, Chandra

TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS

FILE REFERENCE: PF-0731-1 USA

CURRENT APPLICATION NUMBER: US/09/969,680A

PRIOR FILING DATE: 2001-10-02

PRIOR APPLICATION NUMBER: US00/22315

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/149,641

PRIOR FILING DATE: 1999-08-17

PRIOR APPLICATION NUMBER: 60/164,203

PRIOR FILING DATE: 1999-11-09

NUMBER OF SEQ ID NOS: 74

SOFTWARE: PERL Program

SEQ ID NO 7

LENGTH: 353

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE: NAME/KEY: misc.feature

OTHER INFORMATION: Incyte ID No. US20030124649A1 2483172CD1

US-09-969-680A-7

Query Match

Best Local Similarity 49.6%; Pred. No. 3.3e-65; Matches 112; Conservative 52; Mismatches 113; Indels 10; Gaps 4;

33.8%; Score 818; DB 10; Length 353;

1 MPVTLQDMCRGHEHNTLRGCMILIGIPEDCGEDEFETLQACRHIGRYVIGRMFRRE 60

1 MMTTLLEDCRGMDVNSQSLALVWGIPVNCDEAEIBETLQAMPQVS-YRMIGRMFRRE 59

61 NQAQILLEADIDYALLPREIPGKGPEVYVKNRNSDGEFLNLRNPLEERRTVSDM 120

60 NAKVALLELTGADVAAIPEMPGKGWVKLFKPTSDAEFLERLHLFLARGGWTVQDV 119

121 NRVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 180

120 ARVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 177

181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 240

178 DPLVLEHTNEVLEEMQVSDVEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 237

241 GPVESHKIQVCKAYQVQENGEVSSFVLRLEPLLQRAVENNVSSRRNVNQTLEKREVLG 300

238 GSVESSRDADQIKFLNTYQNGEKLSAVYRLLEPLLQRAVENNVSSRRNVNQTLEKREVLG 297

301 ATPDKLRDRLKLMKORRKP-PGFLALVKKLR-----EEEWATL 340

298 ANHSGAIRQWMLTGAEGEPAPLPQLLVQIREBEAKKEEHEEATL 344

Db

181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 240

178 DPLVLEHTNEVLEEMQVSDVEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 237

241 GPVESHKIQVCKAYQVQENGEVSSFVLRLEPLLQRAVENNVSSRRNVNQTLEKREVLG 300

238 GSVESSRDADQIKFLNTYQNGEKLSAVYRLLEPLLQRAVENNVSSRRNVNQTLEKREVLG 297

301 ATPDKLRDRLKLMKORRKP-PGFLALVKKLR-----EEEWATL 340

298 ANHSGAIRQWMLTGAEGEPAPLPQLLVQIREBEAKKEEHEEATL 344

Db

181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 240

178 DPLVLEHTNEVLEEMQVSDVEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 237

241 GPVESHKIQVCKAYQVQENGEVSSFVLRLEPLLQRAVENNVSSRRNVNQTLEKREVLG 300

238 GSVESSRDADQIKFLNTYQNGEKLSAVYRLLEPLLQRAVENNVSSRRNVNQTLEKREVLG 297

301 ATPDKLRDRLKLMKORRKP-PGFLALVKKLR-----EEEWATL 340

298 ANHSGAIRQWMLTGAEGEPAPLPQLLVQIREBEAKKEEHEEATL 344

Db

181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 240

178 DPLVLEHTNEVLEEMQVSDVEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 237

241 GPVESHKIQVCKAYQVQENGEVSSFVLRLEPLLQRAVENNVSSRRNVNQTLEKREVLG 300

238 GSVESSRDADQIKFLNTYQNGEKLSAVYRLLEPLLQRAVENNVSSRRNVNQTLEKREVLG 297

301 ATPDKLRDRLKLMKORRKP-PGFLALVKKLR-----EEEWATL 340

298 ANHSGAIRQWMLTGAEGEPAPLPQLLVQIREBEAKKEEHEEATL 344

Db

181 DAWLEHTTEMLQMWQVPEGEKRRRLMECLRGPAQVSGIRASNASITVEECIALQVYF 240

APPLICANT: PATTERSON, Chandra
TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
FILE REFERENCE: PF-0731 USA
CURRENT APPLICATION NUMBER: US/09/965,529
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 351
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE: NAME/KEY: misc.feature
OTHER INFORMATION: Incyte ID No. US20020182671A1 112301CD1
US-09-965-529-1

Query Match

Best Local Similarity 46.6%; Pred. No. 1e-60; Matches 165; Conservative 60; Mismatches 118; Indels 11; Gaps 6;

31.7%; Score 768.5; DB 9; Length 351;

1 MPVTLQDMCRGHEHNTLRGCMILIGIPEDCGEDEFETLQACRHIGRYVIGRMFRRE 60

1 MTLRLLEDCRGMDVNSQSLALVWGIPVNCDEAEIBETLQAMPQVS-YRMIGRMFRRE 60

61 NQAQILLEADIDYALLPREIPGKGPEVYVKNRNSDGEFLNLRNPLEERRTVSDM 120

61 NRKVALVGLTLETSALVLPKEIPGKGIWRYIFKPPDPDNFLSLNFEFLAGEGTVGL 120

121 NRVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 178

121 NRVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 178

121 NRVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 178

121 NRVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 178

121 NRVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 178

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121 NRVLGSDTNCASAPRTTISPEFT--WAOTLGAADVPLEQMLYRELRFVSGNTISIPGAL 178

Query match: 31.7%; Score 708.3; DB 10; Length 331;
Best Local Similarity 46.6%; Pred. NO. 1e-60;
Matches 165; Conservative 60; Mismatches 118; Indels 11; Gaps 6

299 SCATLLPKRLRDKLKLMKORRRKPPGLALVLRLE---EEEWKATLIGPRESTIEG 349
Db 240 VEGVTDNPRELQVKYLLTYQKDEKLSAVYLRLEPLLQKLVRGAIEADVAVNRLDVI 299

Oy 239 VGGPVEHHKIAOVKLCAKYOGEKKVS FVLRLEPLLQRAVENNNVSRNNQTRLKVL 258
::: :::: : : : : : : : : : : : : : : :
Db 240 VGGVDNPRELOVKYLITTYQDBEKLSAYVLRLEPLLQKLVGRCATIEDDAVNQRLDVI 259

Query Match	31.7%	Score 768.5	DB 15	Length 351
Best Local Similarity	46.6%	Pred. No. 1e-60		
Matches 165	Conservative 60	Mismatches 118	Indels 11	Gaps 6
Qy	1	MPLLTLDQMGEGHILTRRCMLILGIDPEDCGDEFEFTLLQACRHLGRYVIGMFREE	60	
Db	1	MTLRLEEDKRGMDMNRKALLIAGISGSCSVAEIEALQAGLAPLOEYKLLGGMFRDE	60	
Qy	61	NAQAIIETLAODIDYALLPREIPDGKGPWEIVKPRNSDEFLNLRFLTEERRTVSDM	120	
Db	61	NRKVALVGLTAETHSHALVPKEIPQKGIWRIEFPDPDNTPLSRNIEFLAGEGMTYGEI	120	
Qy	121	NRVIGSGTSCSARPVITISPEFWT--NAQTGGAAVQPLLEOMLRKELAVFSGNTISIGAL	178	
Db	121	SRALGHENGSLDPEQGMIPEMMAPTLAQAL-ELAPLALQCLTKYKGLVFGSGRESPGEE	179	
Qy	179	AFDAWLEHTTEMLOMOMOVPEGCKRRRLMECLRGALQVNSGLRASNASITVEECTALQO	238	
Db	180	EFGKRMHHTTQMTKAWQVDPVEKRRRLLESRLGPDLDVIRVYLNKNNPLIVDECLQLEE	239	
Qy	239	VFGVESHKIAQVYLCAYQAEAGEKSSFWLRLEPLLRQAVENNVNVSRRNVQTRLKRVL	298	
Db	240	VFGYTDNPRFLQYKYLITTYQKDEBKLSAVYLRLEPLILQTKVQGCAIRDAVNQARLDQVI	299	
Qy	299	SGATLPDRLADKLKLMKQRRKPPGFLALVKLRE--EEEWEAATLGPDRSLSEG	349	

Fri Apr 8 14:12:54 2005

us-10-037-860-13.rapb

Page 8

Db 240 PPSFLMLKVIREEEEASF--ENESIE 266

Search completed: April 8, 2005, 13:35:16
Job time : 104.433 secs

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